

HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA 1998 DATA Book

by

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HEALTH STATUS PROFILE OF AMERICAN INDIANS IN ARIZONA

1998 DATA Book

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INTRODUCTION

The report *Health Status Profile of American Indians in Arizona: 1998 Data Book* is the fifth annual update of population-level data on trends and patterns in natality and mortality among American Indian residents of Arizona.

It should be noted that tribal identity is very poorly recorded on birth or death certificates. Tabulations of births and deaths in this publication are by place of residence in Arizona and not by tribe.

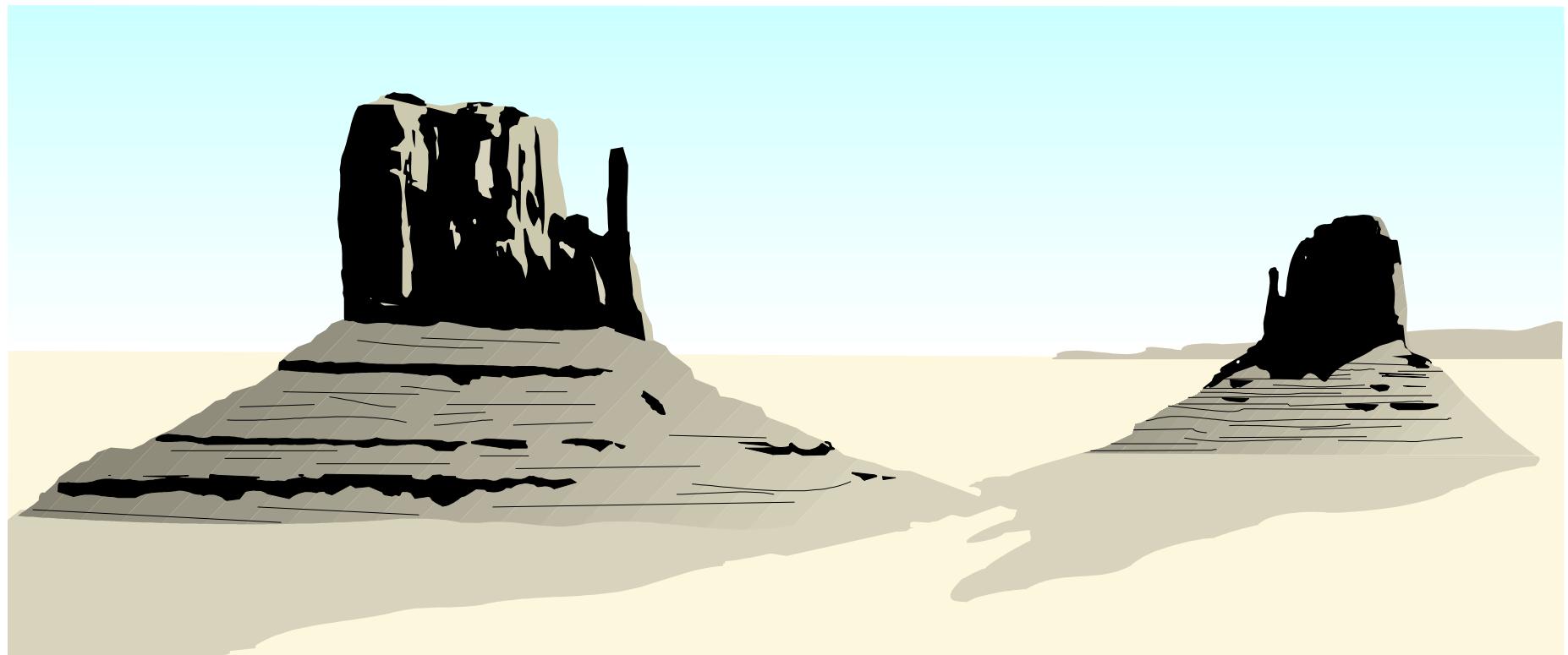
American Indian births are determined by mother's race as indicated on a birth certificate, that is, these are the births to American Indian mothers. American Indian deaths are determined by decedent's race as stated on the death certificate.

The charts and tables comprising *Health Status Profile of American Indians in Arizona* are grouped into four major sections:

- 1) a section focused on American Indians' standing in 1998 with respect to selected health objectives for the year 2000;
- 2) a section presenting an overview of selected health problems and health risks among American Indian and all residents of Arizona in 1998;
- 3) a four-part section concerned with the characteristics of American Indian newborns and mothers giving birth who were residents of specified tribal communities on reservations, and those who resided off reservation in Arizona in 1998;
- 4) a three-part section focused on patterns of mortality among American Indians by age group, gender and place of residence in Arizona in 1998. Detailed mortality profiles are given for the seven largest tribal communities: Navajo, Hopi, Fort Apache, Tohono O'Dham, Gila River, Salt River and San Carlos.

These sections are followed by the **Technical Notes** which provide definitions of terms used in the report, as well as information about the sources of data and a detailed classification of communities on Indian reservations in Arizona.

Health Status Profile of American Indians in Arizona was intended as a data book: a basic reference for some of the most frequently requested statistics. The four sections of the report were computer-generated and contain information with no accompanying narrative.

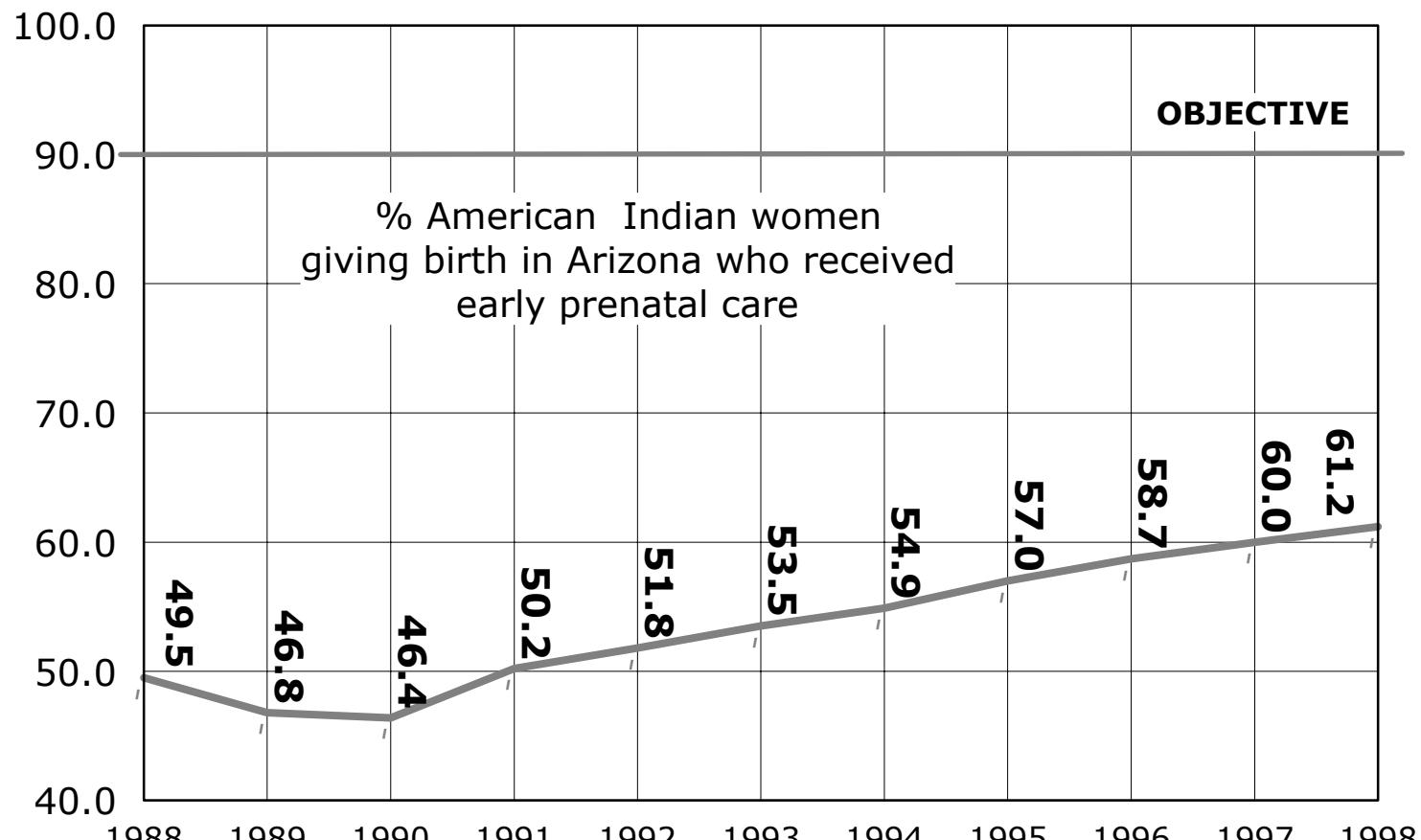


I.

**COMPARISON OF AMERICAN INDIANS' STANDING
IN ARIZONA IN 1998 WITH RESPECT TO SELECTED
HEALTH OBJECTIVES FOR THE YEAR 2000**

1.1 Early Prenatal Care

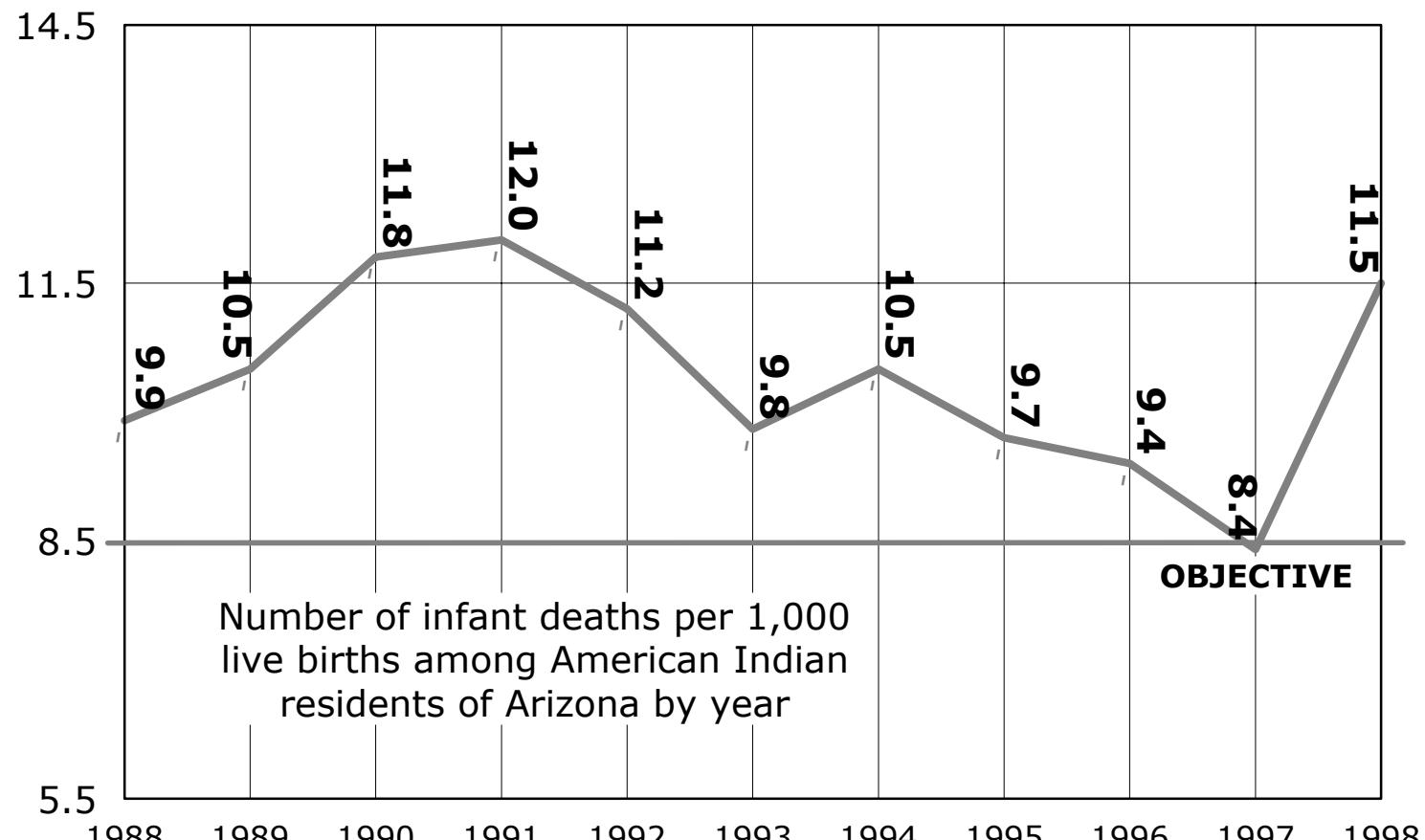
National Year 2000 Objective: Increase to 90 percent the proportion of women giving birth who receive prenatal care in the first trimester of pregnancy



Source: Chapter 4 in *Arizona Health Status and Vital Statistics 1998*

1.2 Infant Mortality

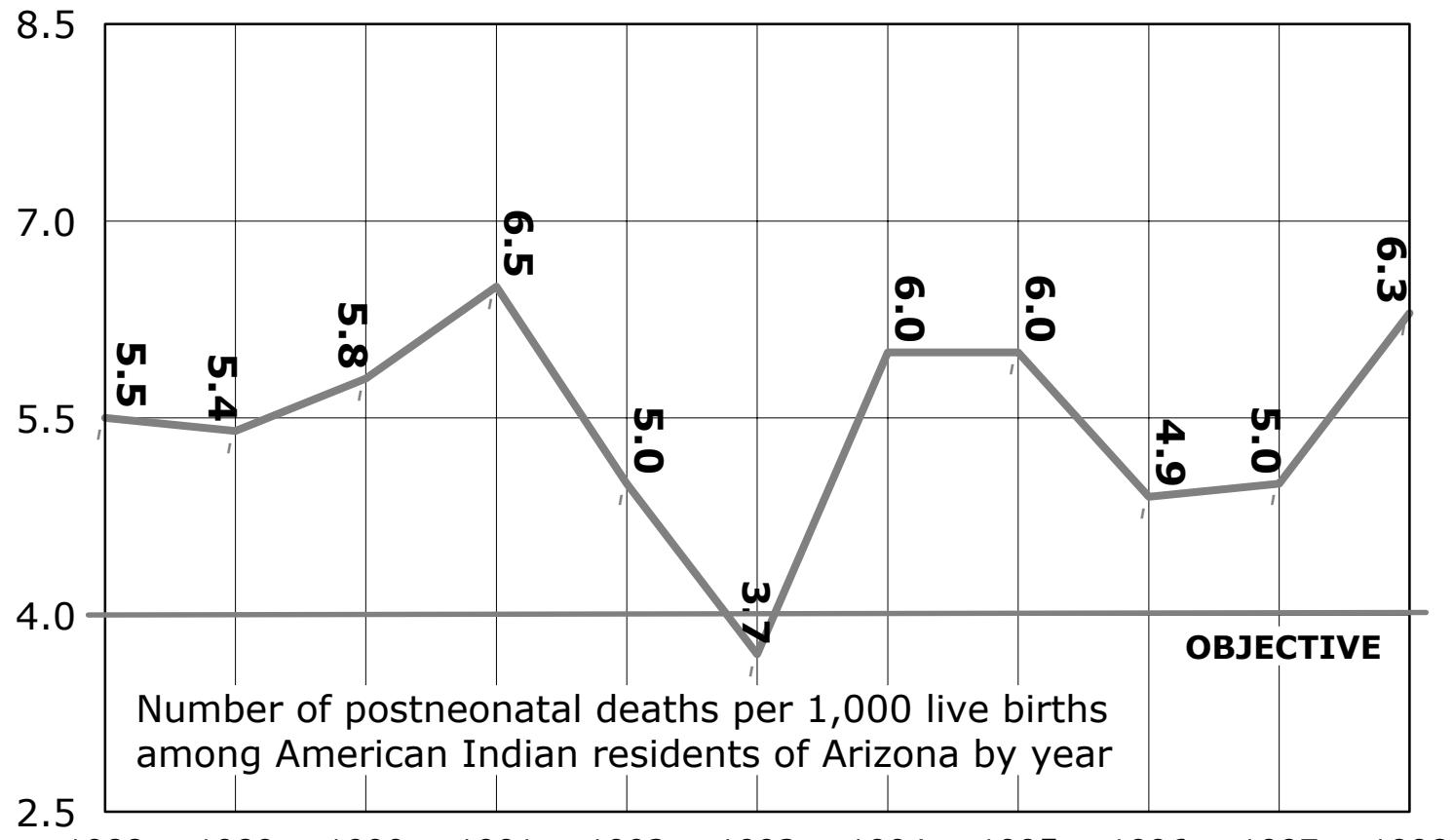
National Year 2000 Objective: Reduce the rate of infant deaths among American Indians to no more than 8.5 per 1,000 live births



Source: *Chapter 4 in Arizona Health Status and Vital Statistics 1998*

1.3 Postneonatal Mortality

National Year 2000 Objective: Reduce postneonatal mortality among American Indians to no more than 4 per 1,000 live births

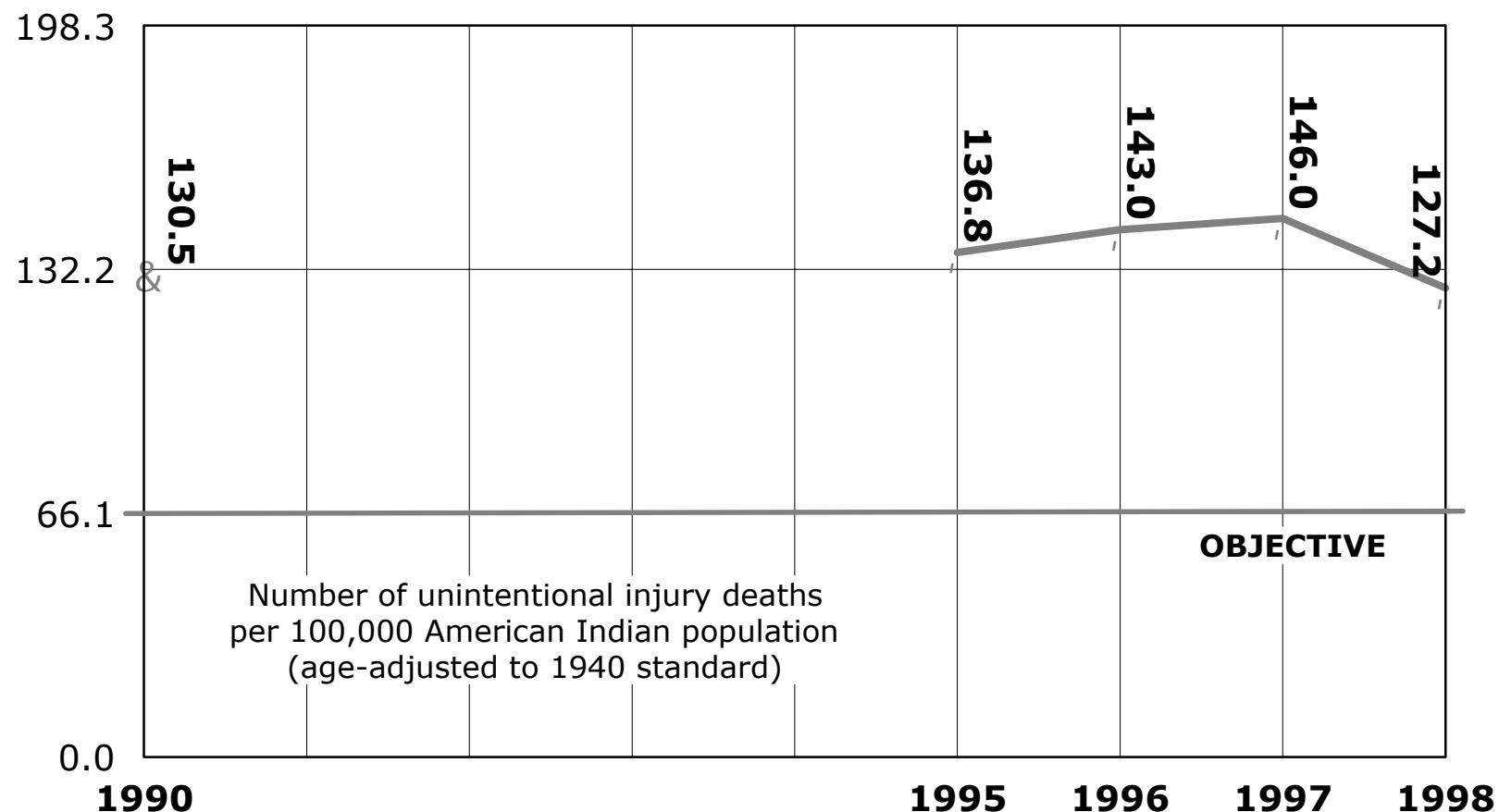


Source: *Chapter 4 in Arizona Health Status and Vital Statistics 1998*

1.4

Mortality From Unintentional Injuries

National Year 2000 Objective: Reduce unintentional injury deaths among American Indians to no more than 66.1 per 100,000 (age-adjusted)

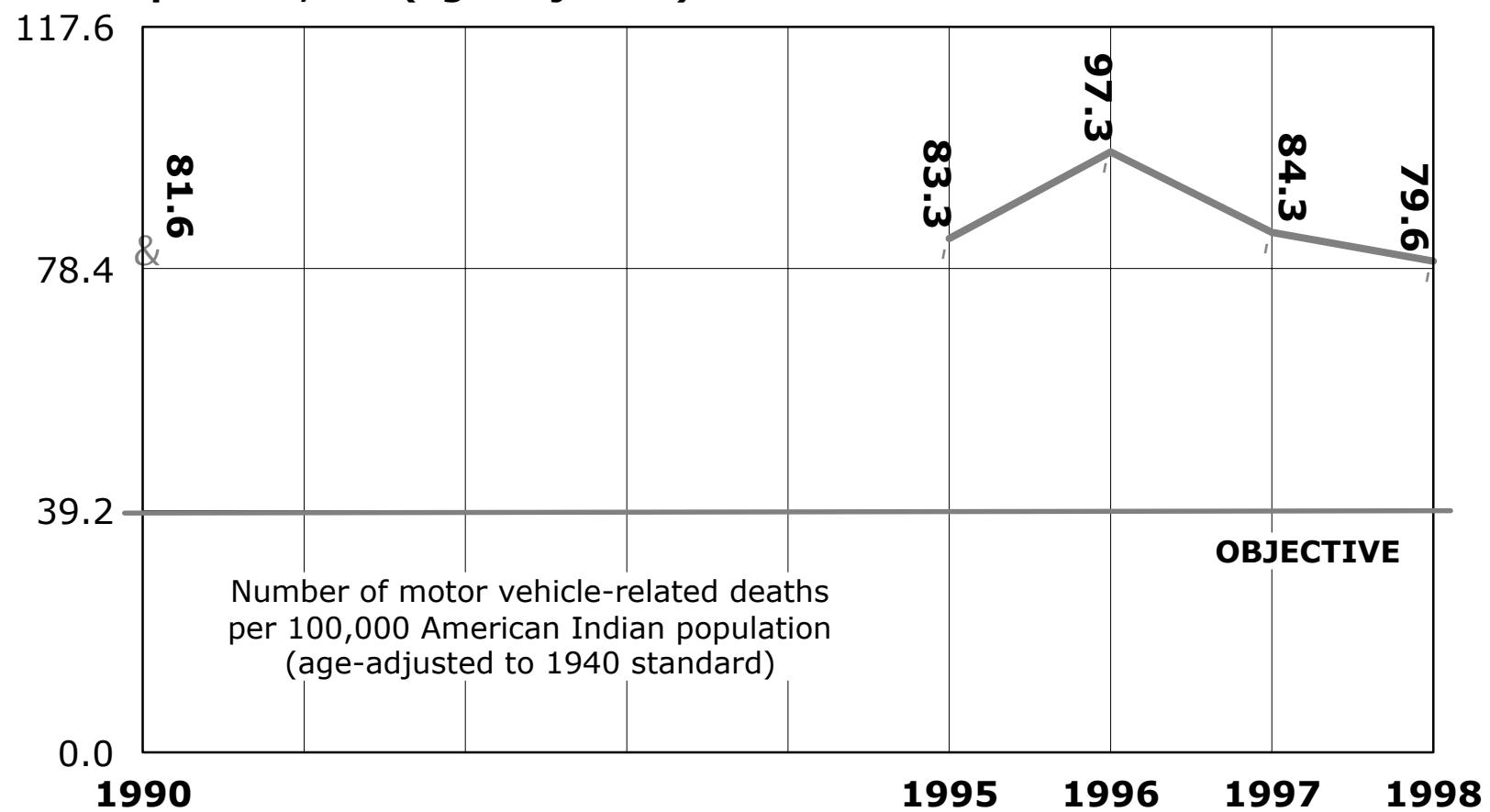


Source: *Chapter 4 in Arizona Health Status and Vital Statistics 1998*

1.5

Mortality From Motor Vehicle-Related Injuries

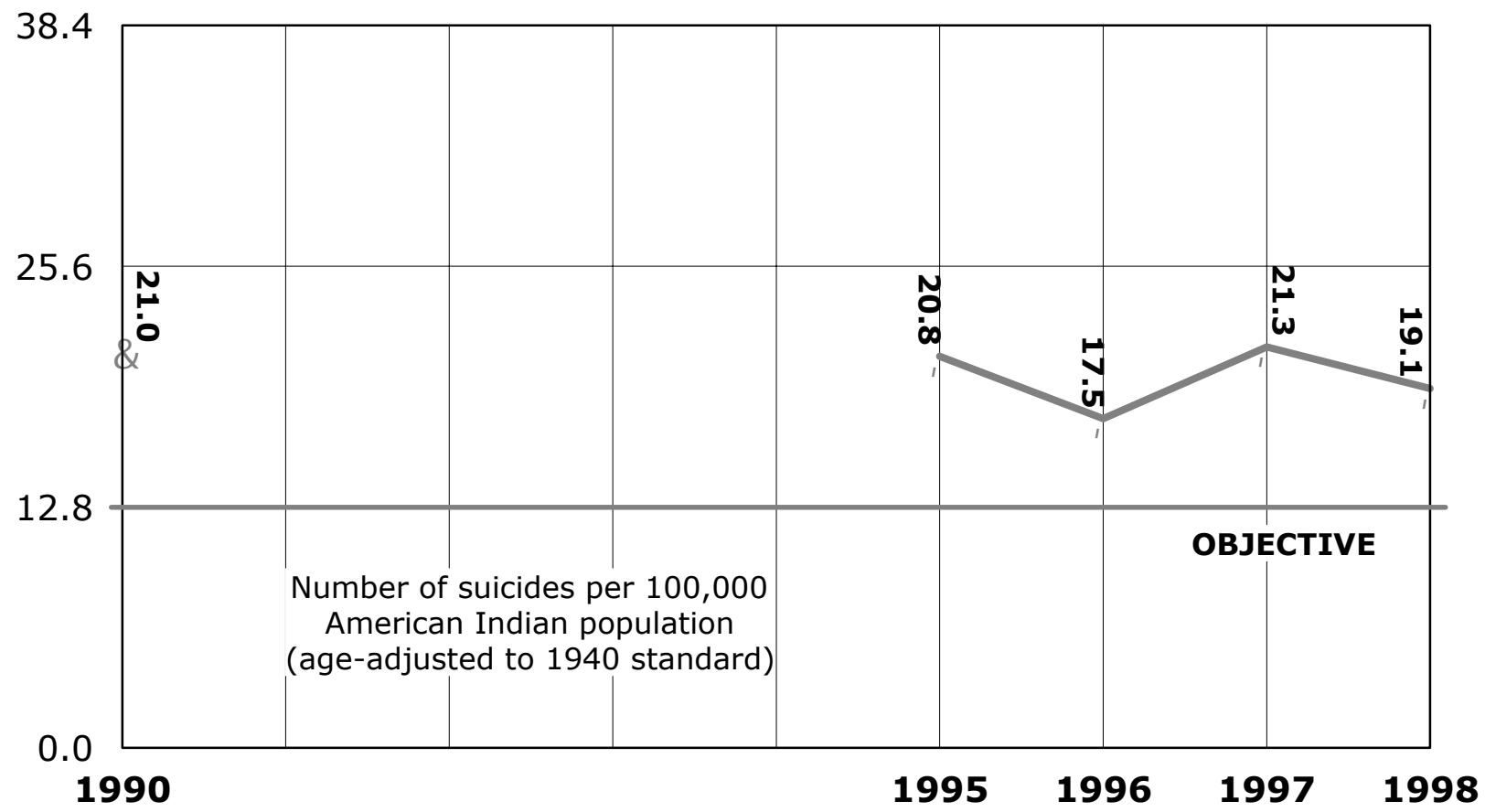
National Year 2000 Objective: Reduce motor vehicle-related injury deaths among American Indians to no more than 39.2 per 100,000 (age-adjusted)



Source: *Chapter 4 in Arizona Health Status and Vital Statistics 1998*

1.6 Suicide Mortality

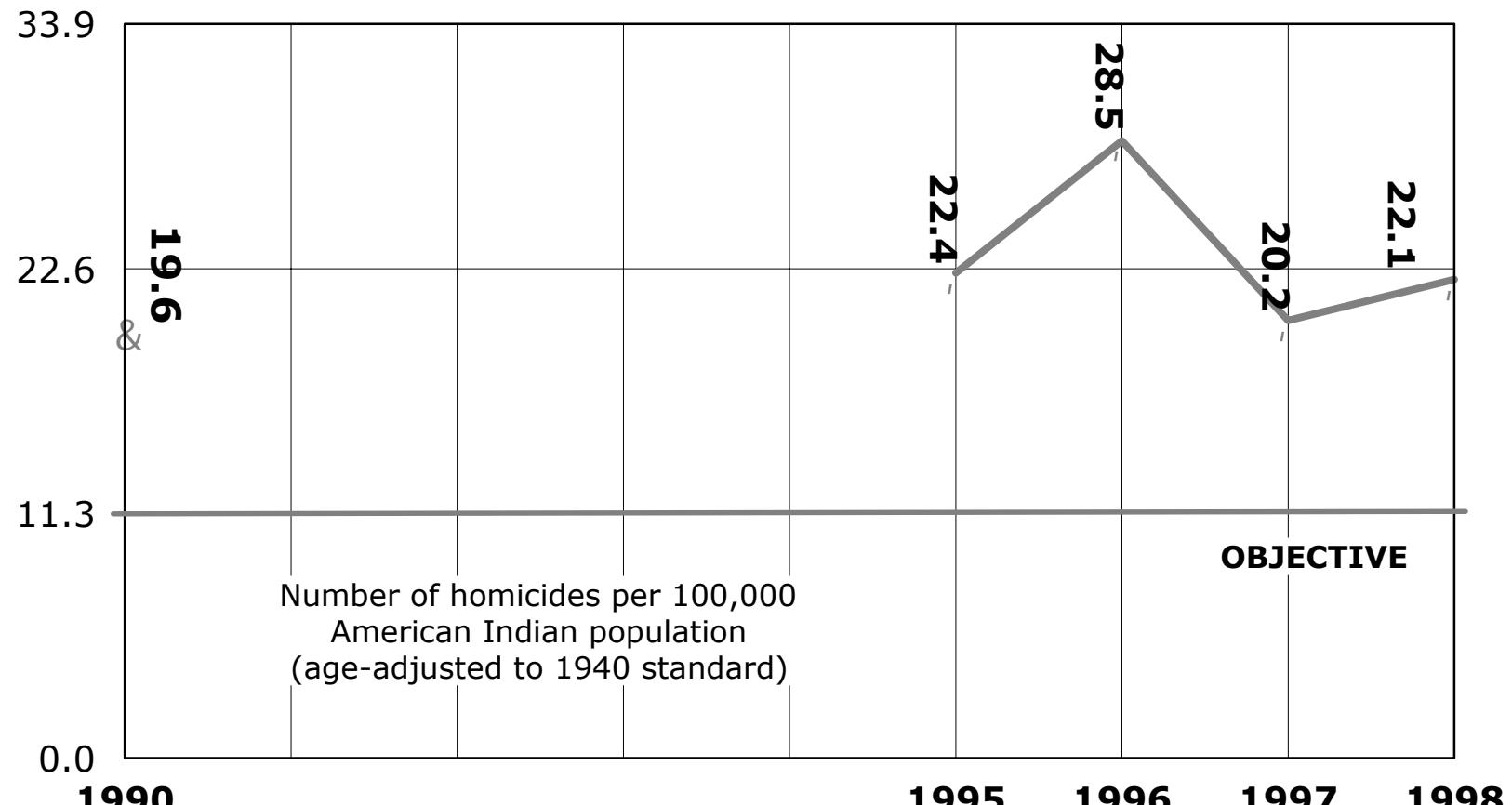
National Year 2000 Objective: Reduce suicides among American Indians to no more than 12.8 per 100,000 (age-adjusted)



Source: *Chapter 4 in Arizona Health Status and Vital Statistics 1998*

1.7 Homicide Mortality

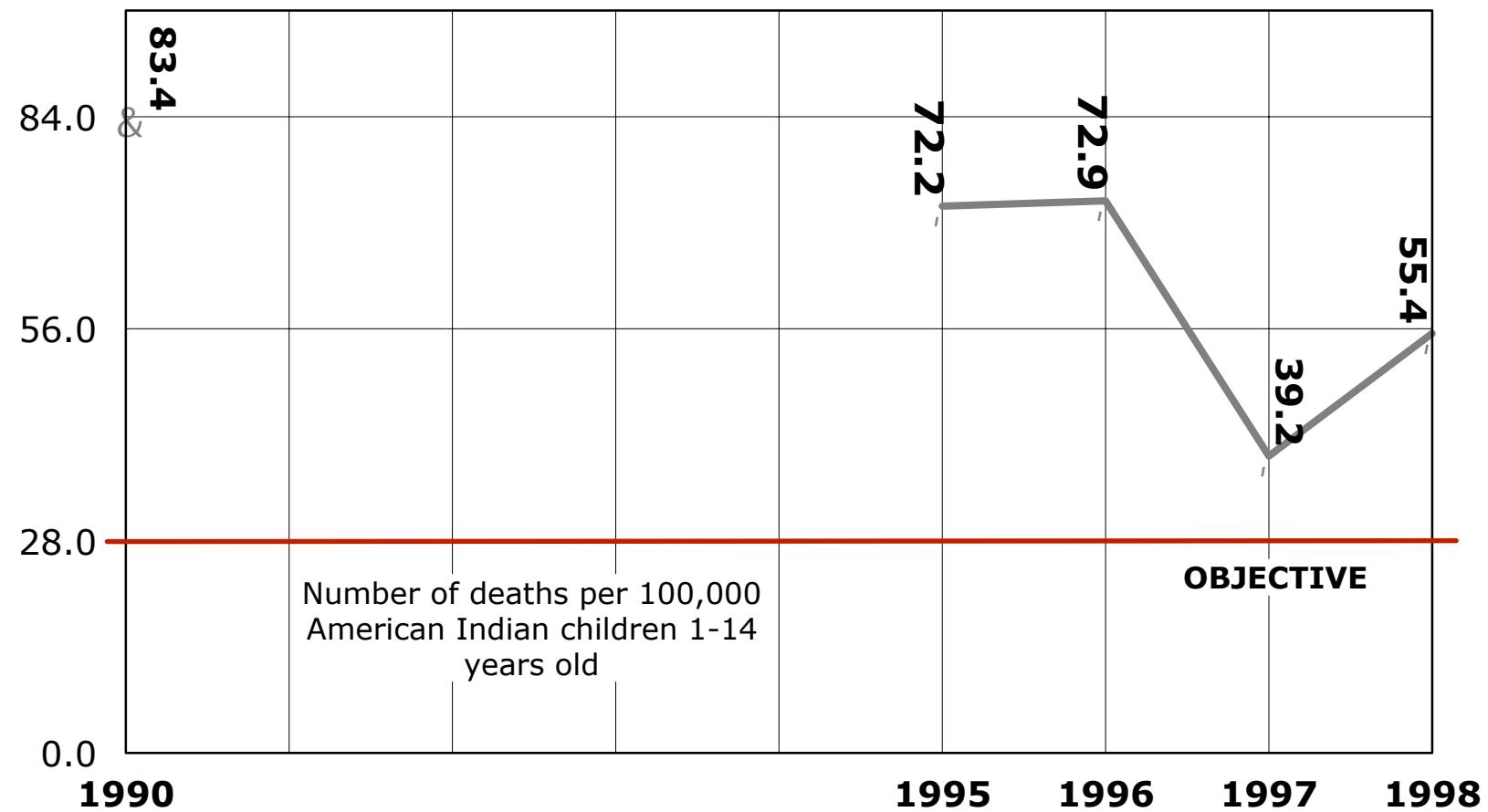
National Year 2000 Objective: Reduce homicides among American Indians to no more than 11.3 per 100,000 (age-adjusted)



Source: *Chapter 4 in Arizona Health Status and Vital Statistics 1998*

1.8 Mortality of Children 1-14 Years Old

National Year 2000 Objective: Reduce death rates for children 1-14 years of age to no more than 28 per 100,000

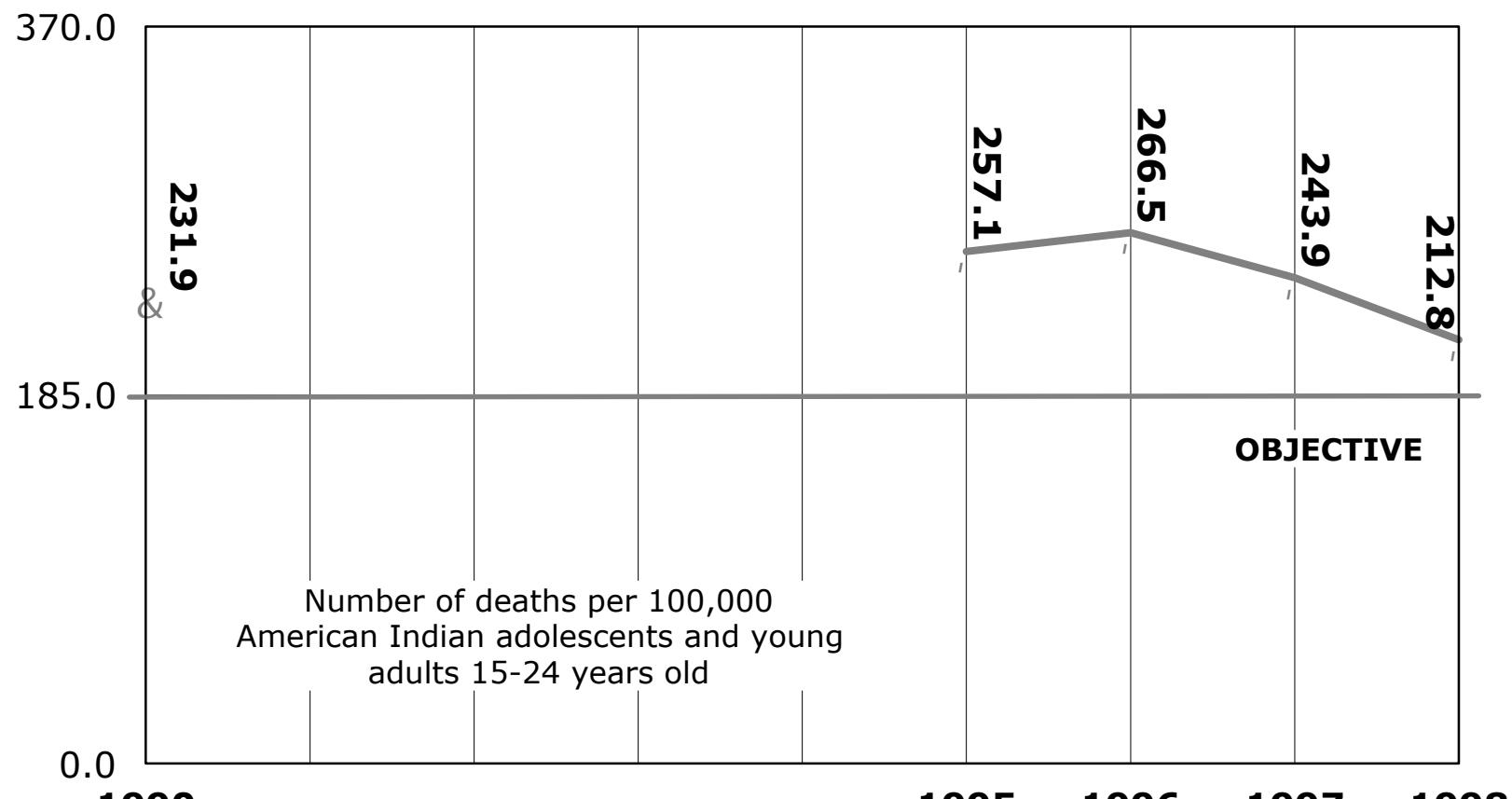


Source: Chapter 4 in Arizona Health Status and Vital Statistics 1998

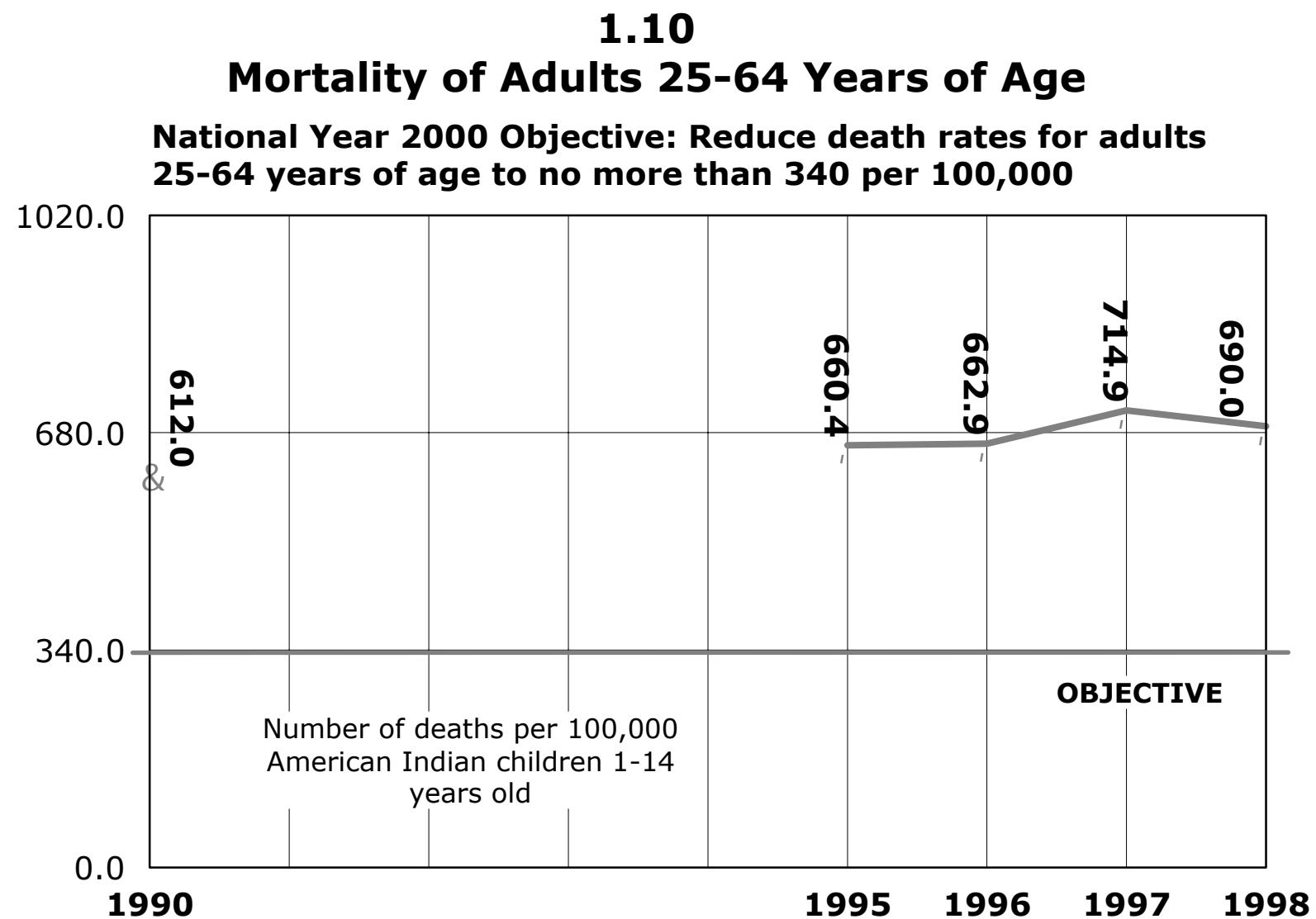
1.9

Mortality of Adolescents and Young Adults 15-24 Years Old

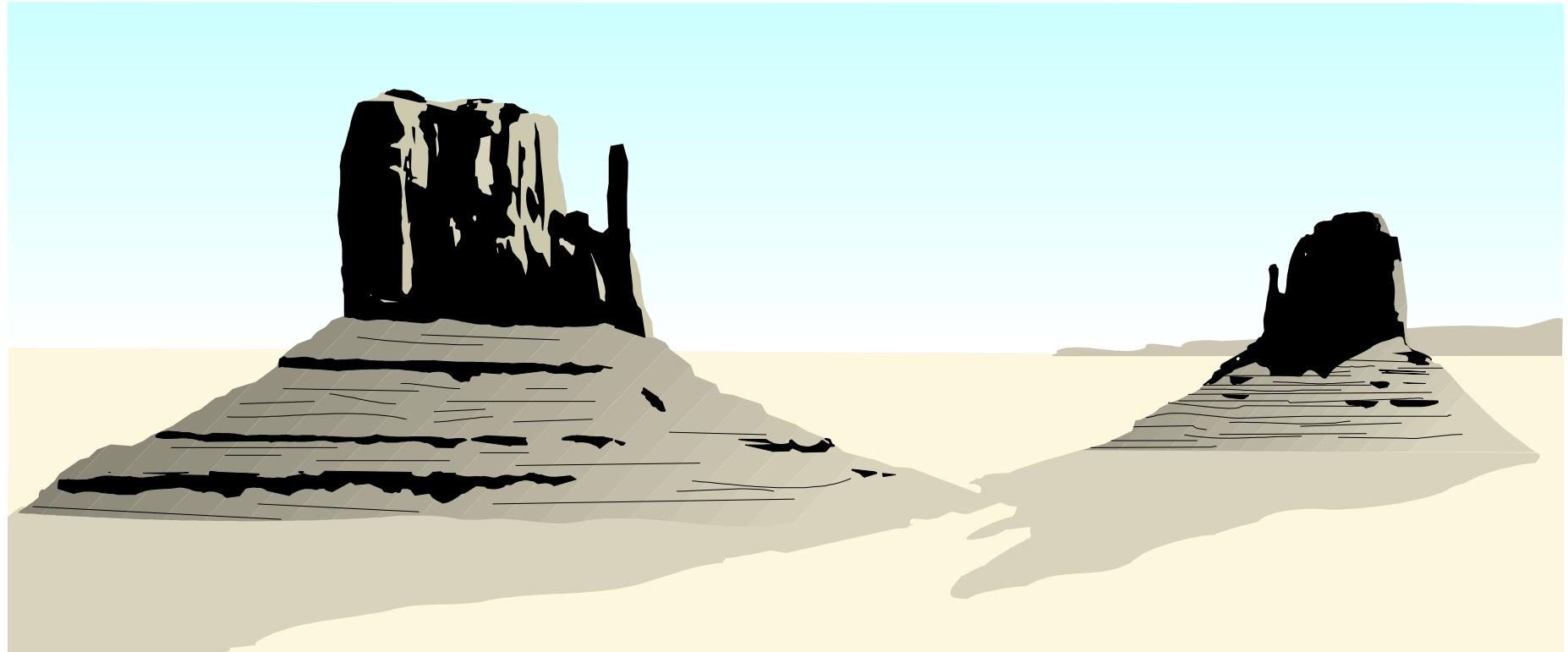
National Year 2000 Objective: Reduce death rates for adolescents and young adults 15-24 years of age to no more than 185 per 100,000



Source: *Chapter 4 in Arizona Health Status and Vital Statistics 1998*



Source: *Chapter 4 in Arizona Health Status and Vital Statistics 1998*



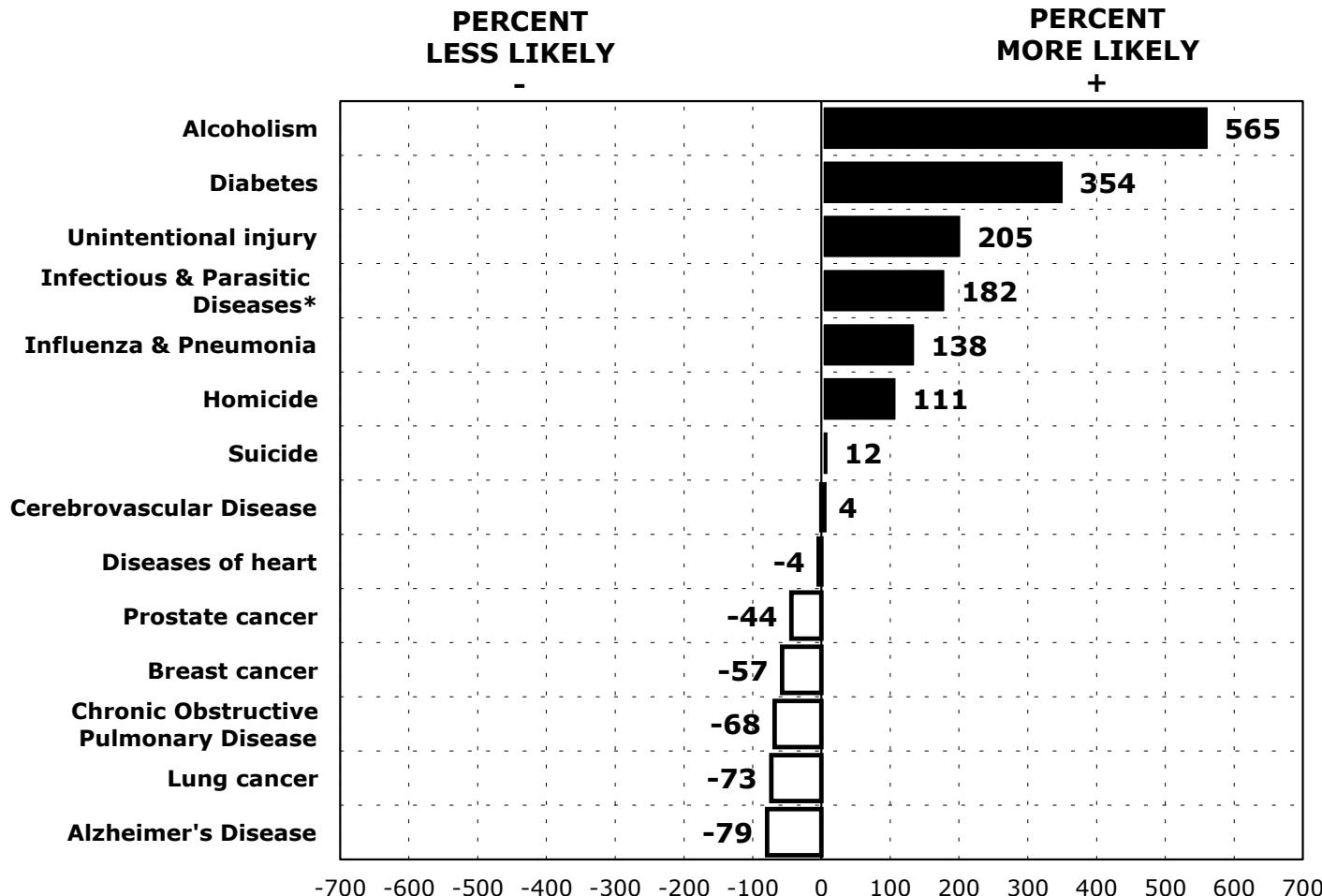
II.

AN OVERVIEW OF SELECTED HEALTH PROBLEMS AND HEALTH RISKS AMONG AMERICAN INDIANS AND ALL RESIDENTS OF ARIZONA IN 1998

2.1

Causes from Which American Indians Were More Likely (+) or Less Likely (-) to Die Relative to All Arizona Residents in 1998

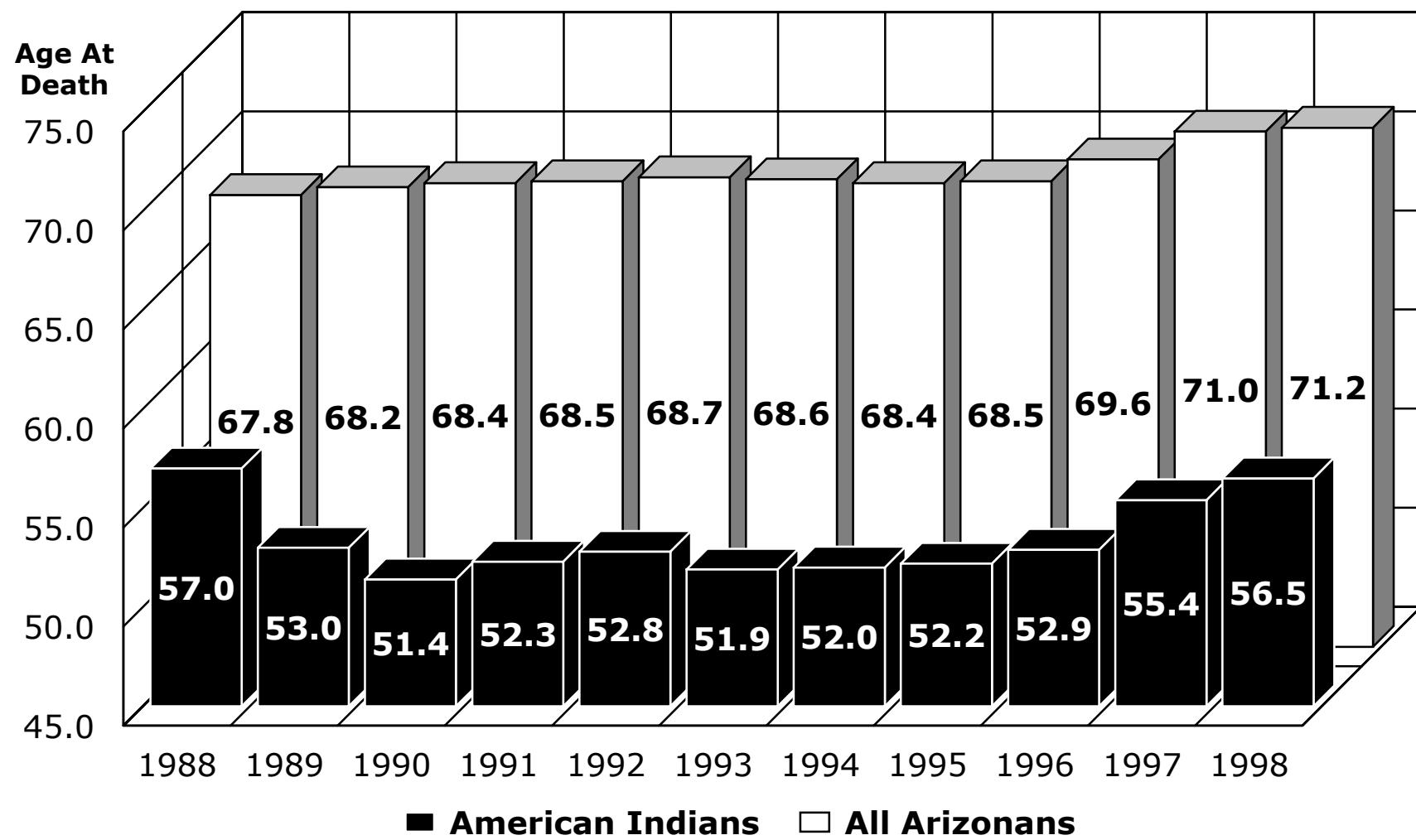
PERCENTAGE DIFFERENCE IN AGE-ADJUSTED MORTALITY RATES FOR 1998



*Excluding HIV infection

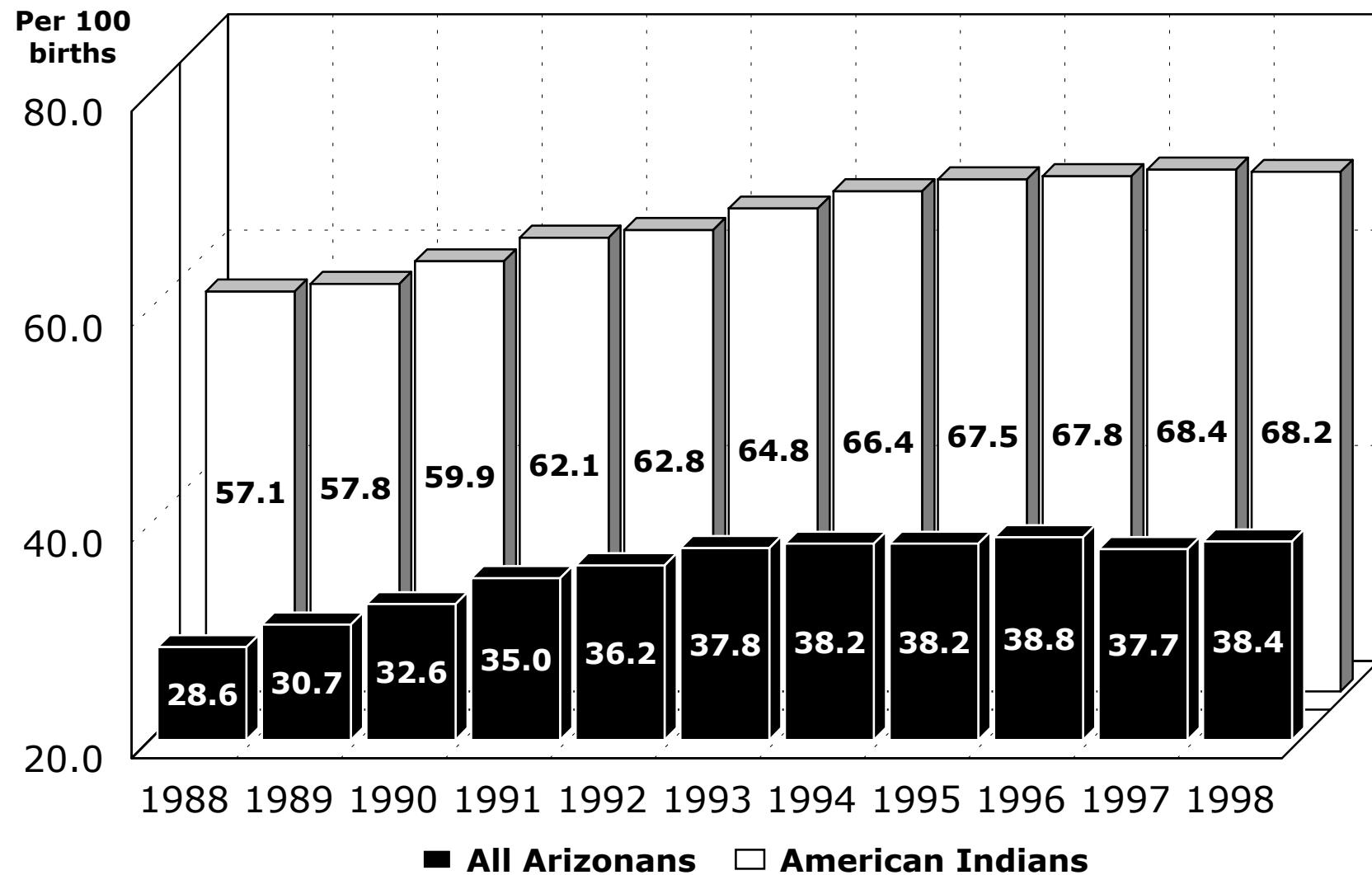
Source: *Table 2B-5 in Arizona Health Status and Vital Statistics 1998*

2.2 Average Age At Death From All Causes Among American Indians and All Arizona Residents



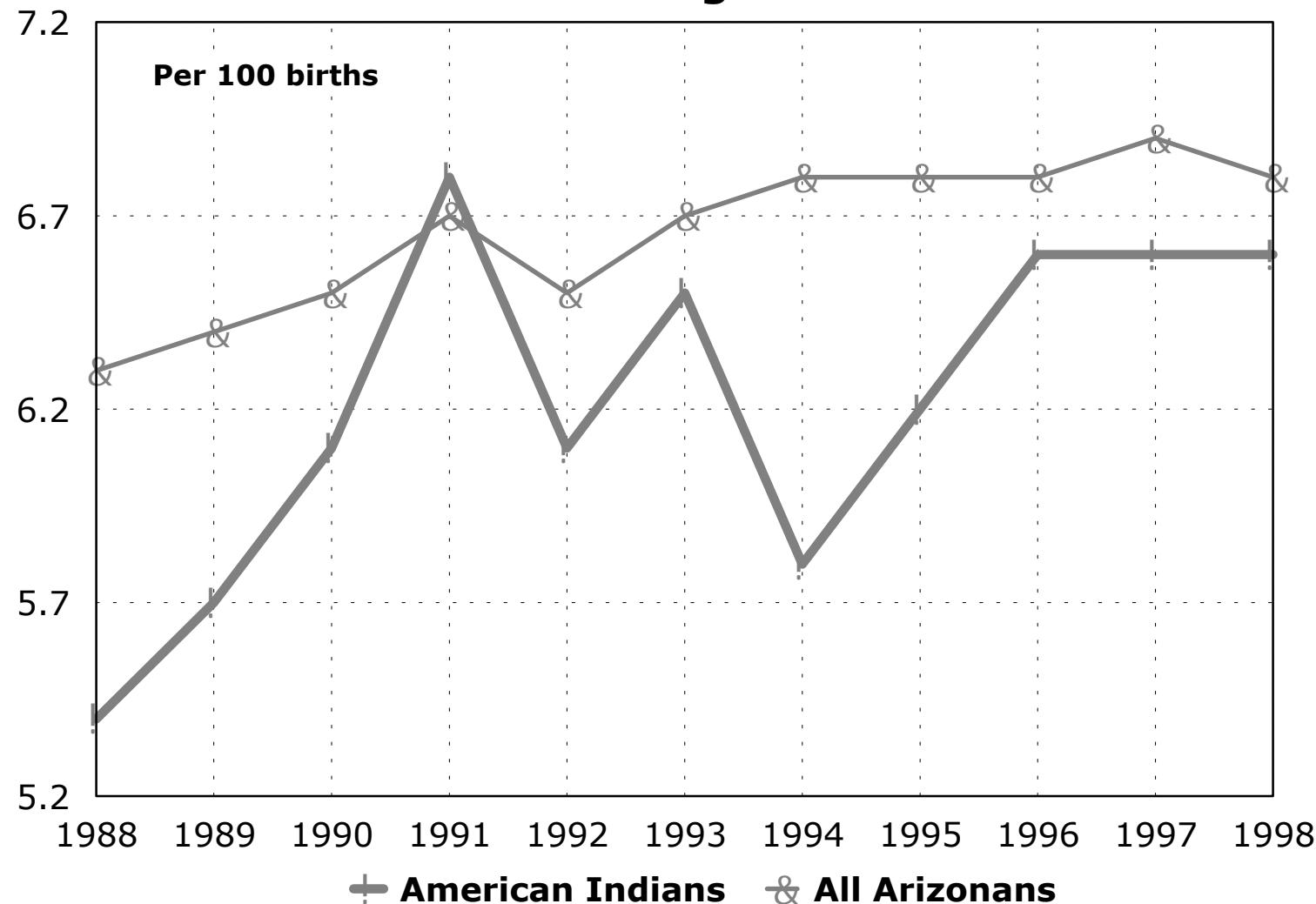
Source: *Table 2D-1 in Arizona Health Status and Vital Statistics 1998*

2.3 Nonmarital Births



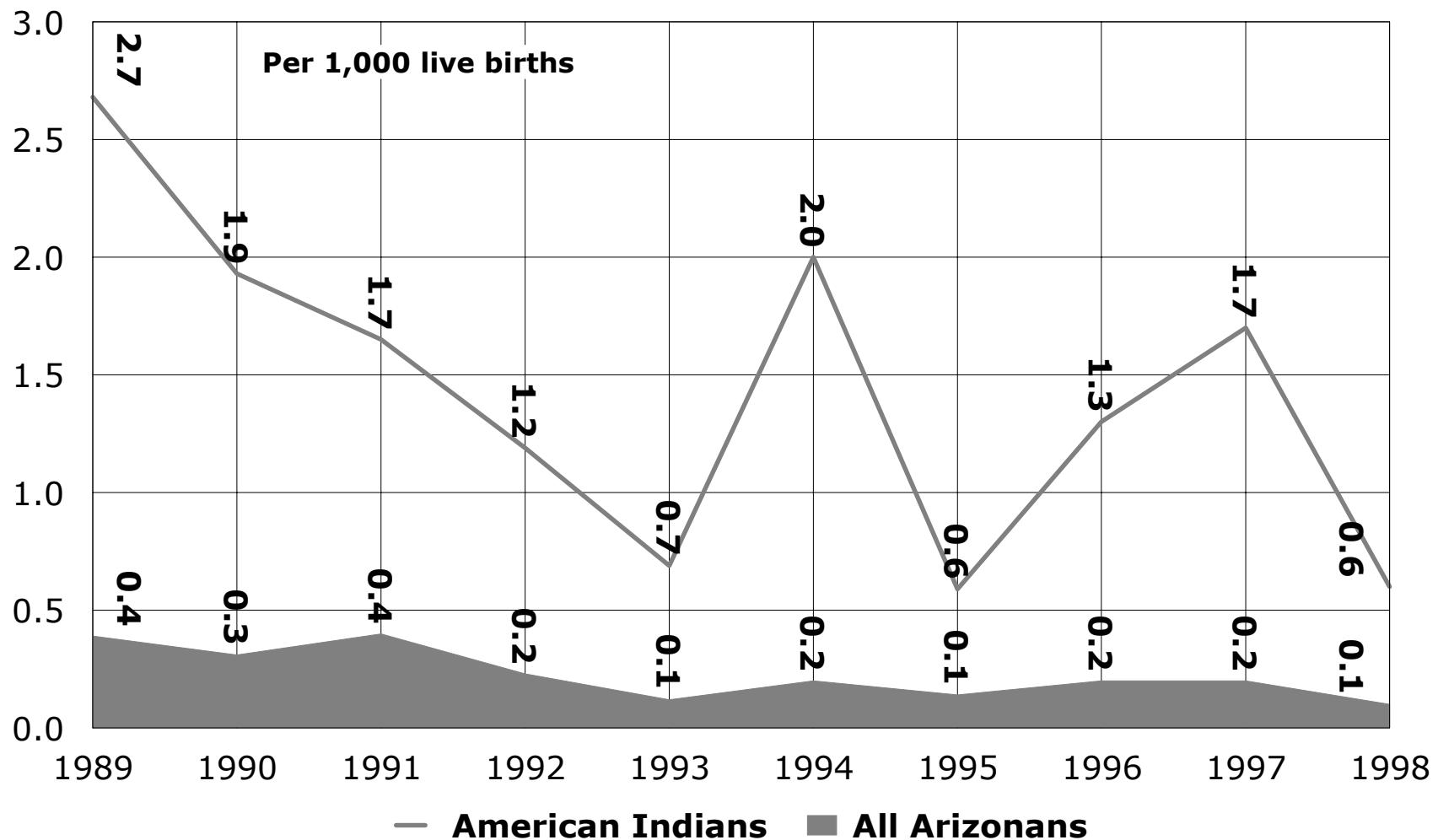
Source: *Table 1B-2 and Table 1B-14 in Arizona Health Status and Vital Statistics 1998*

2.4 Low-Birthweight Births

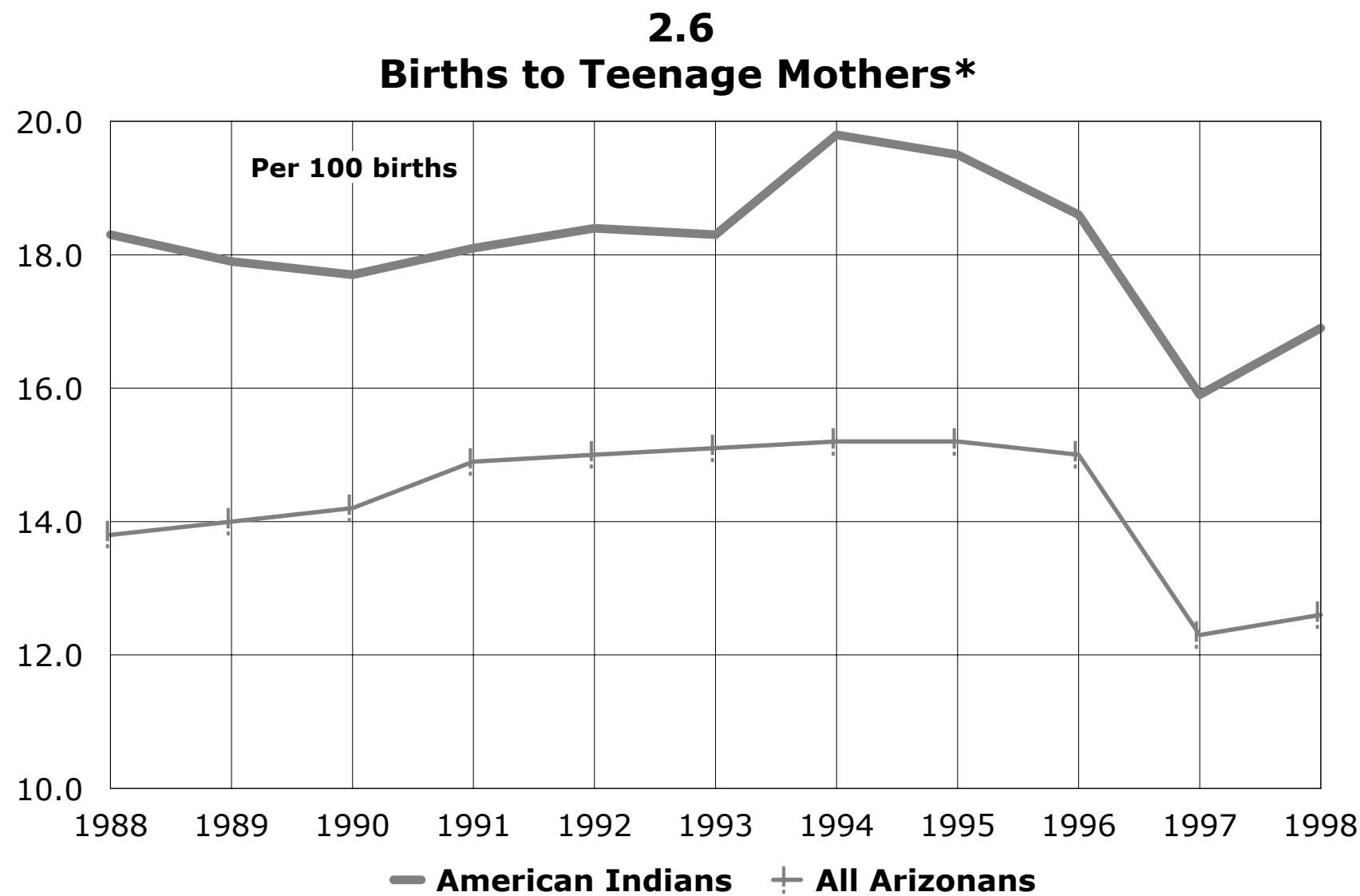


Source: *Table 1B-2 and Table 1B-14 in Arizona Health Status and Vital Statistics 1998*

2.5 The Incidence of Fetal Alcohol Syndrome



Source: *Table 1B-26 in Arizona Health Status and Vital Statistics 1998*

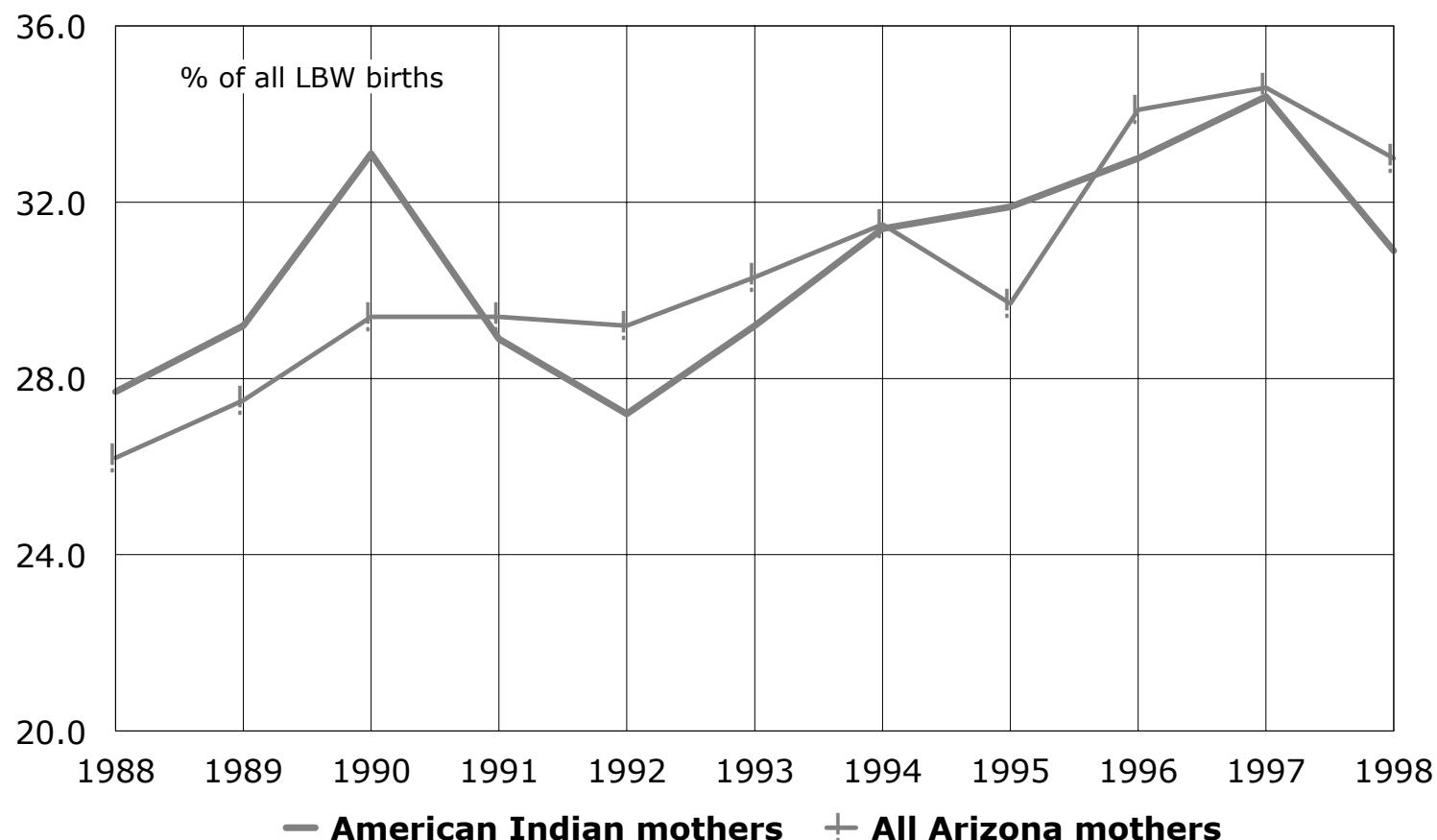


*19 or younger

Source: *Tables 1B-2 and 1B-14 in Arizona Health Status and Vital Statistics 1998*

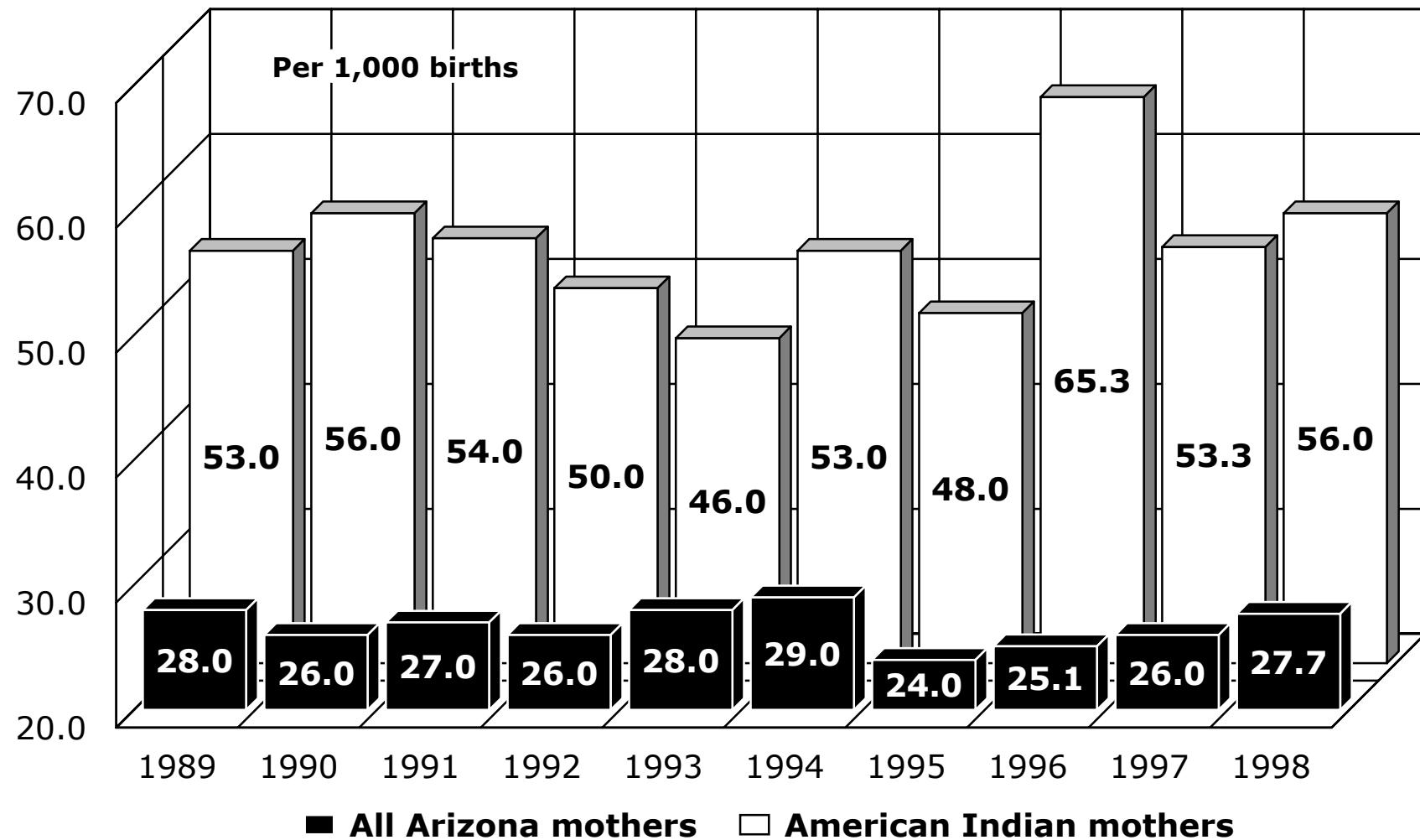
2.7

Low-Birthweight Births to Mothers 30 Years or Older as a Percentage of All Low-Birthweight Births



Source: *Tables 1B-3 and 1B-15 in Arizona Health Status and Vital Statistics 1998*

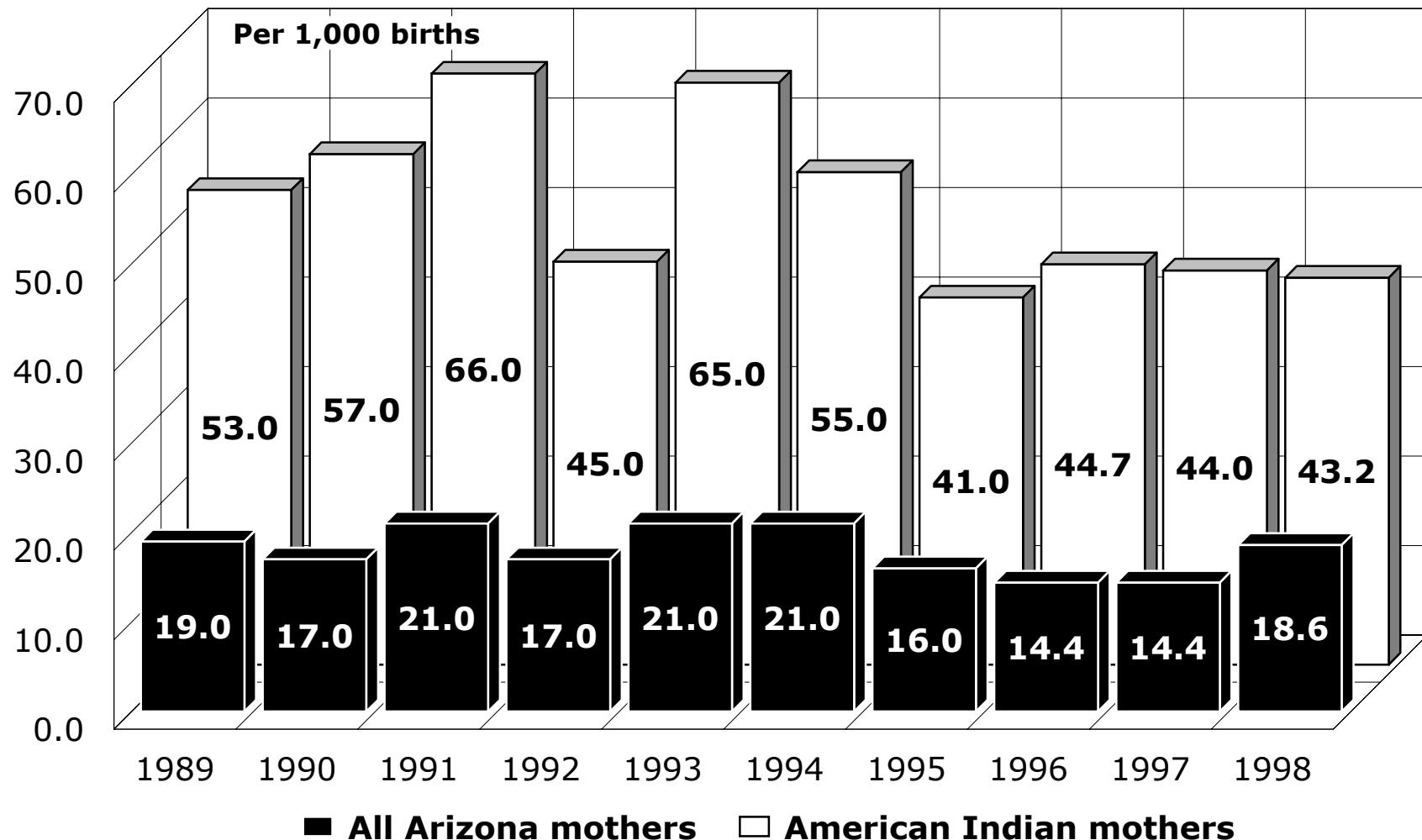
2.8 The Incidence of Pregnancy Associated Hypertension



Source: *Table 1B-26 in Arizona Health Status and Vital Statistics 1998*

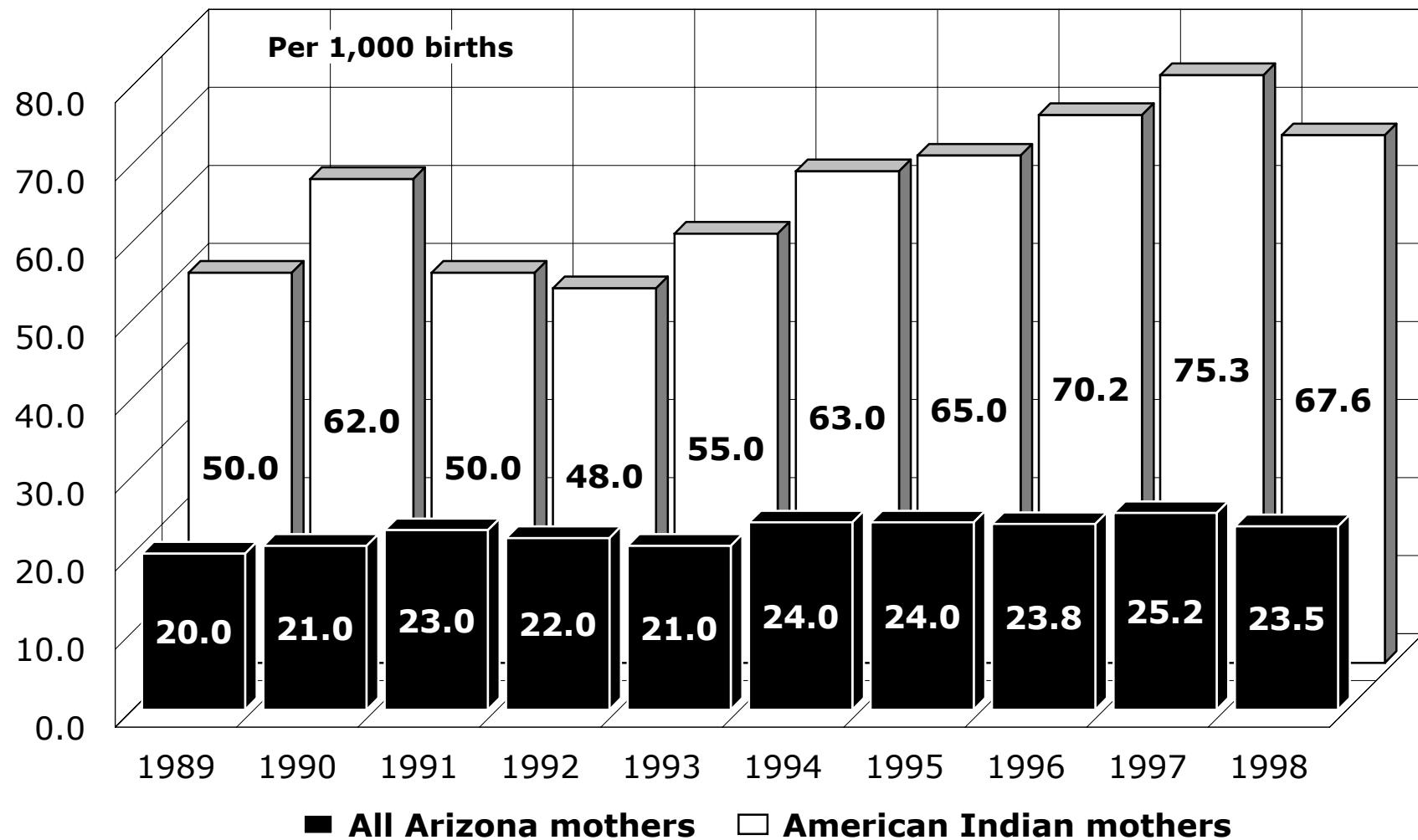
2.9

The Incidence of Anemia During Pregnancy

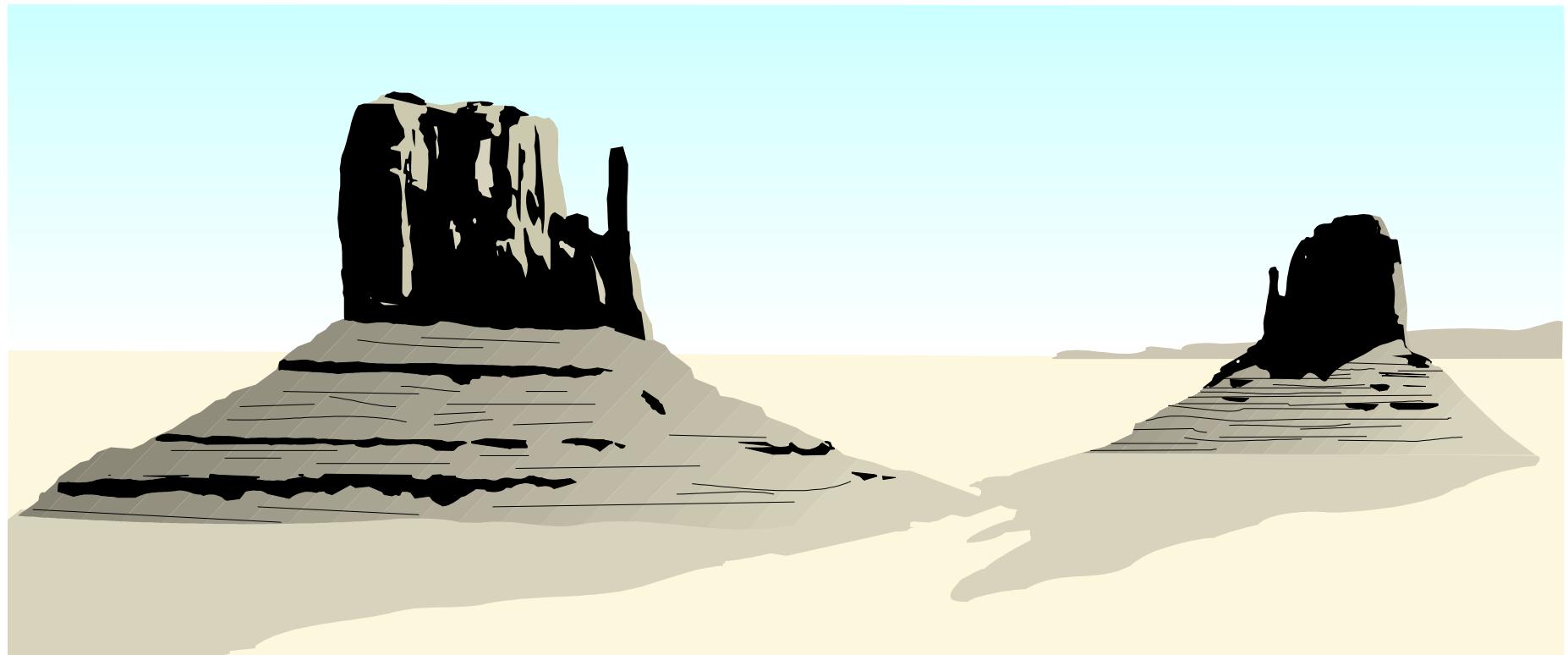


Source: *Table 1B-26 in Arizona Health Status and Vital Statistics 1998*

2.10 The Incidence of Diabetes During Pregnancy



Source: *Table 1B-26 in Arizona Health Status and Vital Statistics 1998*



III.

CHARACTERISTICS OF AMERICAN INDIAN NEWBORNS AND MOTHERS GIVING BIRTH BY PLACE OF RESIDENCE IN ARIZONA IN 1998

**Note: The data in Tables 3.1 – 3.19 are by self-reported (and not validated) place of mother's residence.
Certain tribal communities may not be present (or, may be underrepresented) in the tabulated data.**



SOCIODEMOGRAPHIC CHARACTERISTICS

3.1
MATERNAL AGE (1998 STATUS)

| | | TOTAL | AGE GROUP OF MOTHER | | | | | | | | |
|--------------------------------|--------------------------------|--------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ |
| ALL AMERICAN INDIANS | | 5460 | 16 | 326 | 583 | 1677 | 1282 | 903 | 527 | 140 | 6 |
| Resided on reservation | COCOPAH | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | COLORADO RIVER | 27 | 0 | 2 | 4 | 16 | 2 | 3 | 0 | 0 | 0 |
| | FORT APACHE | 260 | 2 | 25 | 39 | 60 | 55 | 50 | 25 | 4 | 0 |
| | FORT McDOWELL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | GILA RIVER | 143 | 0 | 8 | 17 | 49 | 37 | 20 | 10 | 2 | 0 |
| | HAVASUPAI | 7 | 0 | 0 | 0 | 2 | 4 | 1 | 0 | 0 | 0 |
| | HOPI | 104 | 0 | 4 | 11 | 36 | 23 | 17 | 11 | 2 | 0 |
| | HUALAPAI | 30 | 0 | 2 | 5 | 9 | 2 | 5 | 4 | 3 | 0 |
| | NAVAJO | 1762 | 1 | 75 | 150 | 512 | 403 | 339 | 211 | 67 | 4 |
| | SAN CARLOS | 202 | 2 | 18 | 26 | 45 | 42 | 35 | 29 | 4 | 1 |
| | SAN XAVIER | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | TOHONO O'ODHAM | 129 | 2 | 11 | 22 | 36 | 25 | 17 | 14 | 2 | 0 |
| TOTAL | | 2668 | 7 | 145 | 275 | 767 | 593 | 487 | 304 | 85 | 5 |
| Resided off reservation | ---in Maricopa County | 1438 | 6 | 93 | 156 | 470 | 364 | 226 | 97 | 26 | 0 |
| | ---in Pima County | 369 | 0 | 22 | 45 | 136 | 95 | 38 | 26 | 7 | 0 |
| | ---in Coconino County | 322 | 0 | 20 | 32 | 112 | 71 | 45 | 37 | 5 | 0 |
| | ---elsewhere in Arizona | 663 | 3 | 46 | 75 | 192 | 159 | 107 | 63 | 17 | 1 |
| | TOTAL | 2792 | 9 | 181 | 308 | 910 | 689 | 416 | 223 | 55 | 1 |

3.2
EDUCATIONAL ATTAINMENT OF MOTHER (1998 STATUS)

| | | TOTAL | MOTHER'S EDUCATION | | | | | | |
|--------------------------------|--------------------------------|--------------|---------------------------|-----|------|------|-------|-----|---------|
| | | | < 8 | 8 | 9-11 | 12 | 13-16 | 17+ | UNKNOWN |
| ALL AMERICAN INDIANS | | 5460 | 77 | 177 | 1638 | 2099 | 1291 | 66 | 112 |
| Resided on reservation | COCOPEAH | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | COLORADO RIVER | 27 | 2 | 0 | 10 | 12 | 3 | 0 | 0 |
| | FORT APACHE | 260 | 10 | 11 | 104 | 86 | 44 | 3 | 2 |
| | FORT McDOWELL | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | GILA RIVER | 143 | 0 | 16 | 63 | 50 | 14 | 0 | 0 |
| | HAVASUPAI | 7 | 0 | 0 | 2 | 4 | 1 | 0 | 0 |
| | HOPI | 104 | 0 | 0 | 25 | 52 | 24 | 2 | 1 |
| | HUALAPAI | 30 | 0 | 0 | 10 | 16 | 3 | 0 | 1 |
| | NAVAJO | 1762 | 23 | 34 | 463 | 724 | 433 | 16 | 69 |
| | SAN CARLOS | 202 | 2 | 3 | 81 | 73 | 35 | 1 | 7 |
| | SAN XAVIER | 2 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| | TOHONO O'ODHAM | 129 | 4 | 7 | 49 | 46 | 21 | 1 | 1 |
| TOTAL | | 2668 | 41 | 71 | 810 | 1064 | 578 | 23 | 81 |
| Resided off reservation | ---in Maricopa County | 1438 | 23 | 60 | 409 | 509 | 395 | 26 | 16 |
| | ---in Pima County | 369 | 4 | 16 | 134 | 127 | 78 | 6 | 4 |
| | ---in Coconino County | 322 | 4 | 4 | 66 | 132 | 106 | 9 | 1 |
| | ---elsewhere in Arizona | 663 | 5 | 26 | 219 | 267 | 134 | 2 | 10 |
| | TOTAL | 2792 | 36 | 106 | 828 | 1035 | 713 | 43 | 31 |

3.3
MARITAL STATUS OF MOTHER (1998 STATUS)

| | | TOTAL | MARITAL STATUS | | |
|--------------------------------|--------------------------------|--------------|-----------------------|----------------|----------------|
| | | | Unmarried | Married | Unknown |
| ALL AMERICAN INDIANS | | 5460 | 3725 | 1723 | 12 |
| Resided on reservation | COCOPAH | 1 | 1 | 0 | 0 |
| | COLORADO RIVER | 27 | 15 | 4 | 8 |
| | FORT APACHE | 260 | 156 | 104 | 0 |
| | FORT McDOWELL | 1 | 1 | 0 | 0 |
| | GILA RIVER | 143 | 120 | 23 | 0 |
| | HAVASUPAI | 7 | 6 | 1 | 0 |
| | HOPI | 104 | 85 | 19 | 0 |
| | HUALAPAI | 30 | 21 | 9 | 0 |
| | NAVAJO | 1762 | 1210 | 550 | 2 |
| | SAN CARLOS | 202 | 136 | 66 | 0 |
| Resided off reservation | SAN XAVIER | 2 | 2 | 0 | 0 |
| | TOHONO O'ODHAM | 129 | 109 | 20 | 0 |
| | TOTAL | 2668 | 1862 | 796 | 10 |
| | ---in Maricopa County | 1438 | 971 | 467 | 0 |
| | ---in Pima County | 369 | 263 | 106 | 0 |
| | ---in Coconino County | 322 | 204 | 118 | 0 |
| | ---elsewhere in Arizona | 663 | 425 | 236 | 2 |
| | TOTAL | 2792 | 1863 | 927 | 2 |

3.4
RACE/ETHNICITY OF FATHER (1998 STATUS)

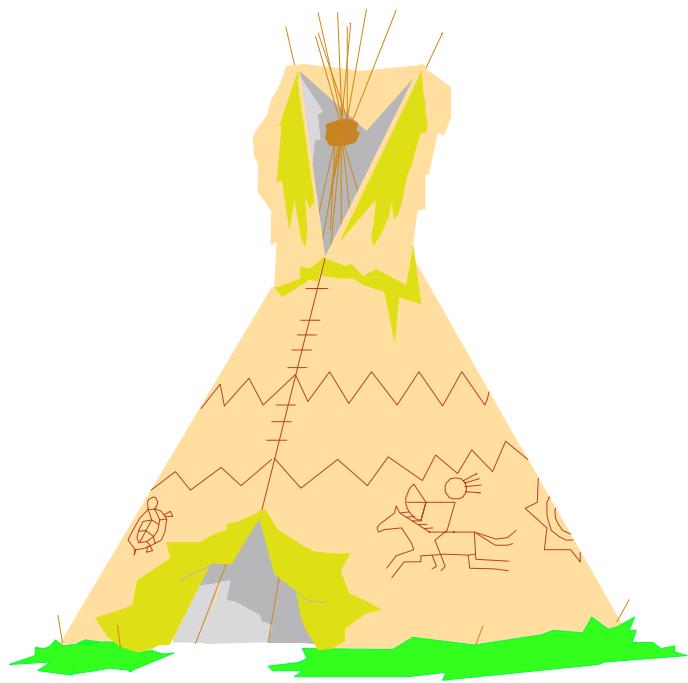
| | | TOTAL | ETHNICITY OF FATHER | | | | | |
|--------------------------------|--------------------------------|--------------|----------------------------|-----------------|--------------|------------------------|--------------|----------------|
| | | | Non-Hispanic White | Hispanic | Black | American Indian | Asian | Unknown |
| ALL AMERICAN INDIANS | | 5460 | 278 | 335 | 60 | 2748 | 81 | 1958 |
| Resided on reservation | COCOPEAH | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | COLORADO RIVER | 27 | 2 | 3 | 0 | 12 | 0 | 10 |
| | FORT APACHE | 260 | 1 | 2 | 1 | 189 | 0 | 67 |
| | FORT McDOWELL | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | GILA RIVER | 143 | 1 | 7 | 0 | 42 | 0 | 93 |
| | HAVASUPAI | 7 | 0 | 0 | 0 | 3 | 0 | 4 |
| | HOPI | 104 | 0 | 0 | 1 | 71 | 0 | 32 |
| | HUALAPAI | 30 | 0 | 1 | 0 | 17 | 3 | 9 |
| | NAVAJO | 1762 | 16 | 9 | 5 | 1145 | 21 | 566 |
| | SAN CARLOS | 202 | 2 | 2 | 0 | 123 | 3 | 72 |
| | SAN XAVIER | 2 | 0 | 0 | 0 | 2 | 0 | 0 |
| | TOHONO O'ODHAM | 129 | 2 | 1 | 0 | 45 | 4 | 77 |
| TOTAL | | 2668 | 24 | 25 | 7 | 1649 | 31 | 932 |
| Resided off reservation | ---in Maricopa County | 1438 | 139 | 192 | 37 | 486 | 34 | 550 |
| | ---in Pima County | 369 | 35 | 50 | 7 | 131 | 6 | 140 |
| | ---in Coconino County | 322 | 12 | 14 | 4 | 195 | 1 | 96 |
| | ---elsewhere in Arizona | 663 | 68 | 54 | 5 | 287 | 9 | 240 |
| | TOTAL | 2792 | 254 | 310 | 53 | 1099 | 50 | 1026 |

**3.5
AGE OF FATHER (1998 STATUS)**

| | | TOTAL | AGE GROUP OF FATHER | | | | | | | | | |
|--------------------------------|--------------------------------|--------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-----|---------|
| | | | <15 | 15-17 | 18-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45+ | UNKNOWN |
| ALL AMERICAN INDIANS | | 3609 | 1 | 55 | 191 | 942 | 936 | 719 | 442 | 217 | 102 | 4 |
| Resided on reservation | COLORADO RIVER | 17 | 0 | 0 | 3 | 6 | 1 | 5 | 2 | 0 | 0 | 0 |
| | FORT APACHE | 197 | 1 | 8 | 12 | 45 | 48 | 37 | 29 | 14 | 3 | 0 |
| | GILA RIVER | 62 | 0 | 0 | 8 | 23 | 14 | 10 | 6 | 1 | 0 | 0 |
| | HAVASUPAI | 4 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| | HOPI | 73 | 0 | 2 | 0 | 28 | 23 | 8 | 5 | 5 | 2 | 0 |
| | HUALAPAI | 18 | 0 | 0 | 3 | 6 | 1 | 2 | 1 | 5 | 0 | 0 |
| | NAVAJO | 1223 | 0 | 13 | 47 | 284 | 290 | 261 | 184 | 94 | 49 | 1 |
| | SAN CARLOS | 133 | 0 | 5 | 15 | 27 | 28 | 20 | 19 | 13 | 6 | 0 |
| | SAN XAVIER | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | TOHONO O'ODHAM | 54 | 0 | 3 | 3 | 16 | 16 | 8 | 5 | 3 | 0 | 0 |
| TOTAL | | 1783 | 1 | 31 | 91 | 439 | 423 | 351 | 251 | 135 | 60 | 1 |
| Resided off reservation | ---in Maricopa County | 919 | 0 | 10 | 48 | 251 | 278 | 180 | 95 | 35 | 19 | 3 |
| | ---in Pima County | 237 | 0 | 6 | 14 | 86 | 59 | 39 | 21 | 5 | 7 | 0 |
| | ---in Coconino County | 234 | 0 | 2 | 12 | 68 | 63 | 39 | 30 | 16 | 4 | 0 |
| | ---elsewhere in Arizona | 436 | 0 | 6 | 26 | 98 | 113 | 110 | 45 | 26 | 12 | 0 |
| | TOTAL | 1826 | 0 | 24 | 100 | 503 | 513 | 368 | 191 | 82 | 42 | 3 |

3.6
SOURCE OF PAYMENT FOR LABOR AND DELIVERY (1998 STATUS)

| | | TOTAL | PAYEE FOR BIRTH | | | | |
|--------------------------------|--------------------------------|--------------|------------------------|------------|---------------------------|-------------|----------------|
| | | | AHCCCS | IHS | PRIVATE INSUR. | SELF | UNKNOWN |
| ALL AMERICAN INDIANS | | 5460 | 2837 | 1362 | 804 | 61 | 396 |
| Resided on reservation | COCOPAH | 1 | 0 | 0 | 0 | 1 | 0 |
| | COLORADO RIVER | 27 | 10 | 1 | 0 | 0 | 16 |
| | FORT APACHE | 260 | 114 | 120 | 10 | 3 | 13 |
| | FORT McDOWELL | 1 | 0 | 1 | 0 | 0 | 0 |
| | GILA RIVER | 143 | 93 | 10 | 36 | 0 | 4 |
| | HAVASUPAI | 7 | 6 | 0 | 0 | 1 | 0 |
| | HOPI | 104 | 20 | 76 | 1 | 1 | 6 |
| | HUALAPAI | 30 | 18 | 2 | 6 | 3 | 1 |
| | NAVAJO | 1762 | 840 | 601 | 115 | 2 | 204 |
| | SAN CARLOS | 202 | 37 | 150 | 11 | 2 | 2 |
| Resided off reservation | SAN XAVIER | 2 | 0 | 1 | 1 | 0 | 0 |
| | TOHONO O'ODHAM | 129 | 76 | 20 | 29 | 1 | 3 |
| | TOTAL | 2668 | 1214 | 982 | 209 | 14 | 249 |
| | ---in Maricopa County | 1438 | 859 | 144 | 339 | 30 | 66 |
| | ---in Pima County | 369 | 167 | 75 | 110 | 8 | 9 |
| | ---in Coconino County | 322 | 209 | 48 | 51 | 1 | 13 |
| | ---elsewhere in Arizona | 663 | 388 | 113 | 95 | 8 | 59 |
| | TOTAL | 2792 | 1623 | 380 | 595 | 47 | 147 |



MATERNAL LIFESTYLE AND HEALTH CHARACTERISTICS

3.7
MATERNAL WEIGHT GAIN DURING PREGNANCY (1998 STATUS)

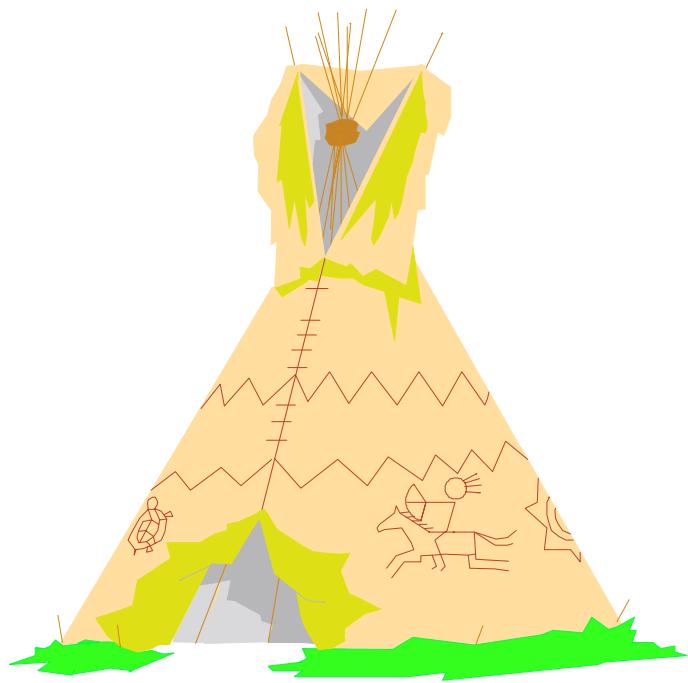
| | | TOTAL | WEIGHT GAIN | | | | |
|--------------------------------|--------------------------------|--------------|--------------------|------------------------|-------------------------|-------------------|----------------|
| | | | None | 1-10 Pounds | 11-20 Pounds | 21 or more | Unknown |
| ALL AMERICAN INDIANS | | 5460 | 74 | 335 | 1030 | 3178 | 843 |
| Resided on reservation | COCOPEAH | 1 | 0 | 0 | 1 | 0 | 0 |
| | COLORADO RIVER | 27 | 0 | 0 | 0 | 9 | 18 |
| | FORT APACHE | 260 | 5 | 21 | 37 | 116 | 81 |
| | FORT McDOWELL | 1 | 0 | 0 | 0 | 0 | 1 |
| | GILA RIVER | 143 | 2 | 11 | 40 | 72 | 18 |
| | HAVASUPAI | 7 | 0 | 0 | 3 | 4 | 0 |
| | HOPI | 104 | 1 | 5 | 19 | 47 | 32 |
| | HUALAPAI | 30 | 0 | 4 | 8 | 16 | 2 |
| | NAVAJO | 1762 | 27 | 149 | 406 | 872 | 308 |
| | SAN CARLOS | 202 | 2 | 17 | 34 | 103 | 46 |
| | SAN XAVIER | 2 | 0 | 1 | 0 | 1 | 0 |
| | TOHONO O'ODHAM | 129 | 3 | 11 | 32 | 64 | 19 |
| | TOTAL | 2668 | 40 | 219 | 580 | 1304 | 525 |
| Resided off reservation | ---in Maricopa County | 1438 | 20 | 62 | 235 | 984 | 137 |
| | ---in Pima County | 369 | 2 | 18 | 68 | 232 | 49 |
| | ---in Coconino County | 322 | 3 | 7 | 35 | 261 | 16 |
| | ---elsewhere in Arizona | 663 | 9 | 29 | 112 | 397 | 116 |
| | TOTAL | 2792 | 34 | 116 | 450 | 1874 | 318 |

3.8
MEDICAL RISK FACTORS OF PREGNANCY (1998 STATUS)

| | | TOTAL | MEDICAL RISK FACTORS | | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|--------------|-----------------------------|------------------------|---------------------|-----------------|-----------------------|-------------------|-----------------------------|--|------------------|-------------------------------|----------------------------|----------------------|-------------------------|-------------------------|--------------|
| | | | Anemia | Cardiac Disease | Lung Disease | Diabetes | Genital Herpes | Hydramnios | Chronic Hypertension | Pregnancy Associated Hypertension | Eclampsia | Previous Infant 4000+g | Previous SGA Infant | Renal Disease | RH Sensitization | Uterine Bleeding | Other |
| ALL AMERICAN INDIANS | | 2140 | 236 | 5 | 11 | 369 | 17 | 109 | 47 | 306 | 96 | 42 | 32 | 15 | 1 | 22 | 1299 |
| Resided on reservation | COLORADO RIVER | 8 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 5 |
| | FORT APACHE | 145 | 19 | 3 | 3 | 25 | 1 | 1 | 1 | 21 | 5 | 0 | 1 | 0 | 0 | 0 | 94 |
| | FORT McDOWELL | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| | GILA RIVER | 45 | 6 | 0 | 0 | 13 | 0 | 2 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 2 | 26 |
| | HAVASUPAI | 5 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| | HOPI | 36 | 3 | 0 | 0 | 4 | 0 | 2 | 0 | 7 | 3 | 0 | 2 | 0 | 0 | 2 | 16 |
| | HUALAPAI | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| | NAVAJO | 617 | 72 | 0 | 5 | 120 | 7 | 67 | 22 | 89 | 18 | 31 | 18 | 9 | 0 | 7 | 270 |
| | SAN CARLOS | 98 | 7 | 0 | 0 | 25 | 0 | 1 | 3 | 28 | 10 | 0 | 3 | 0 | 0 | 2 | 43 |
| | SAN XAVIER | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | TOHONO O'ODHAM | 37 | 4 | 0 | 0 | 6 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 28 |
| TOTAL | | 997 | 113 | 3 | 8 | 199 | 8 | 73 | 29 | 155 | 40 | 31 | 25 | 10 | 0 | 13 | 487 |
| Resided off reservation | ---in Maricopa County | 696 | 103 | 2 | 1 | 105 | 7 | 20 | 9 | 54 | 36 | 6 | 1 | 4 | 0 | 6 | 542 |
| | ---in Pima County | 130 | 4 | 0 | 0 | 15 | 1 | 1 | 2 | 10 | 2 | 0 | 0 | 0 | 1 | 0 | 109 |
| | ---in Coconino County | 120 | 8 | 0 | 0 | 13 | 0 | 10 | 0 | 28 | 6 | 0 | 3 | 0 | 0 | 3 | 66 |
| | ---elsewhere in Arizona | 197 | 8 | 0 | 2 | 37 | 1 | 5 | 7 | 59 | 12 | 5 | 3 | 1 | 0 | 0 | 95 |
| | TOTAL | 1143 | 123 | 2 | 3 | 170 | 9 | 36 | 18 | 151 | 56 | 11 | 7 | 5 | 1 | 9 | 812 |

3.9
SUBSTANCE USE DURING PREGNANCY (1998 STATUS)

| | | TOTAL | SUBSTANCE USE DURING PREGNANCY | | | |
|------------------------------------|--------------------------------|--------------|---------------------------------------|-------------------------------|-------------------------------|---|
| | | | Drinker, nonsmoker | Smoker, nondrinker | Smoker and drinker | Nonsmoker and nondrinker |
| ALL AMERICAN INDIANS | | 5460 | 75 | 144 | 59 | 5182 |
| Resided on reservation | COCOPEAH | 1 | 0 | 1 | 0 | 0 |
| | COLORADO RIVER | 27 | 0 | 0 | 0 | 27 |
| | FORT APACHE | 260 | 16 | 5 | 11 | 228 |
| | FORT McDOWELL | 1 | 0 | 0 | 0 | 1 |
| | GILA RIVER | 143 | 4 | 2 | 1 | 136 |
| | HAVASUPAI | 7 | 0 | 0 | 1 | 6 |
| | HOPI | 104 | 2 | 1 | 1 | 100 |
| | HUALAPAI | 30 | 1 | 1 | 1 | 27 |
| | NAVAJO | 1762 | 22 | 24 | 11 | 1705 |
| | SAN CARLOS | 202 | 3 | 5 | 5 | 189 |
| | SAN XAVIER | 2 | 0 | 0 | 0 | 2 |
| | TOHONO O'ODHAM | 129 | 2 | 2 | 0 | 125 |
| TOTAL | | 2668 | 50 | 41 | 31 | 2546 |
| Resided off reservation | ---in Maricopa County | 1438 | 14 | 62 | 15 | 1347 |
| | ---in Pima County | 369 | 0 | 13 | 2 | 354 |
| | ---in Coconino County | 322 | 0 | 3 | 0 | 319 |
| | ---elsewhere in Arizona | 663 | 11 | 25 | 11 | 616 |
| | TOTAL | 2792 | 25 | 103 | 28 | 2636 |



UTILIZATION OF MEDICAL SERVICES

3.10
TRIMESTER OF PREGNANCY PRENATAL CARE BEGAN (1998 STATUS)

| | | TOTAL | PRENATAL CARE | | | | |
|--------------------------------|--------------------------------|--------------|----------------------|----------------------|----------------------|----------------------|----------------|
| | | | No Care | 1st trimester | 2nd trimester | 3rd trimester | Unknown |
| ALL AMERICAN INDIANS | | 5460 | 127 | 3342 | 1394 | 480 | 117 |
| Resided on reservation | COCOPEAH | 1 | 0 | 0 | 1 | 0 | 0 |
| | COLORADO RIVER | 27 | 0 | 15 | 9 | 2 | 1 |
| | FORT APACHE | 260 | 12 | 138 | 63 | 37 | 10 |
| | FORT McDOWELL | 1 | 0 | 0 | 0 | 1 | 0 |
| | GILA RIVER | 143 | 3 | 103 | 29 | 7 | 1 |
| | HAVASUPAI | 7 | 1 | 4 | 1 | 1 | 0 |
| | HOPI | 104 | 4 | 58 | 25 | 13 | 4 |
| | HUALAPAI | 30 | 1 | 14 | 5 | 6 | 4 |
| | NAVAJO | 1762 | 50 | 1061 | 458 | 165 | 28 |
| | SAN CARLOS | 202 | 6 | 108 | 60 | 18 | 10 |
| | SAN XAVIER | 2 | 0 | 1 | 1 | 0 | 0 |
| TOHONO O'ODHAM | TOHONO O'ODHAM | 129 | 3 | 70 | 40 | 14 | 2 |
| | TOTAL | 2668 | 80 | 1572 | 692 | 264 | 60 |
| Resided off reservation | ---in Maricopa County | 1438 | 22 | 873 | 404 | 106 | 33 |
| | ---in Pima County | 369 | 5 | 268 | 67 | 22 | 7 |
| | ---in Coconino County | 322 | 9 | 236 | 51 | 23 | 3 |
| | ---elsewhere in Arizona | 663 | 11 | 393 | 180 | 65 | 14 |
| | TOTAL | 2792 | 47 | 1770 | 702 | 216 | 57 |

3.11
NUMBER OF PRENATAL VISITS (1998 STATUS)

| | | TOTAL | NUMBER OF PRENATAL VISITS | | | | | |
|--------------------------------|--------------------------------|--------------|----------------------------------|-------------------|-------------------|--------------------|-------------------|----------------|
| | | | No visits | 1-4 visits | 5-8 visits | 9-12 visits | 13+ visits | UNKNOWN |
| ALL AMERICAN INDIANS | | 5460 | 127 | 600 | 1396 | 2162 | 1016 | 159 |
| Resided on reservation | COCOPAH | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| | COLORADO RIVER | 27 | 0 | 7 | 10 | 6 | 3 | 1 |
| | FORT APACHE | 260 | 12 | 55 | 72 | 78 | 23 | 20 |
| | FORT McDOWELL | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | GILA RIVER | 143 | 3 | 7 | 21 | 78 | 29 | 5 |
| | HAVASUPAI | 7 | 1 | 1 | 2 | 2 | 1 | 0 |
| | HOPI | 104 | 4 | 12 | 32 | 36 | 19 | 1 |
| | HUALAPAI | 30 | 1 | 11 | 12 | 1 | 2 | 3 |
| | NAVAJO | 1762 | 50 | 207 | 517 | 636 | 330 | 22 |
| | SAN CARLOS | 202 | 6 | 33 | 64 | 53 | 33 | 13 |
| | SAN XAVIER | 2 | 0 | 0 | 1 | 0 | 1 | 0 |
| TOHONO O'ODHAM | | 129 | 3 | 20 | 18 | 52 | 33 | 3 |
| | TOTAL | 2668 | 80 | 354 | 749 | 942 | 474 | 69 |
| Resided off reservation | ---in Maricopa County | 1438 | 22 | 116 | 306 | 675 | 259 | 60 |
| | ---in Pima County | 369 | 5 | 24 | 78 | 143 | 107 | 12 |
| | ---in Coconino County | 322 | 9 | 24 | 56 | 159 | 72 | 2 |
| | ---elsewhere in Arizona | 663 | 11 | 82 | 207 | 243 | 104 | 16 |
| | TOTAL | 2792 | 47 | 246 | 647 | 1220 | 542 | 90 |

3.12
OBSTETRIC PROCEDURES (1998 STATUS)

| | | TOTAL | OBSTETRIC PROCEDURES* | | | | | | |
|------------------------------------|--------------------------------|--------------|------------------------------|--|-------------------------------|---------------------------------|------------------|-------------------|--------------|
| | | | Amnio- centesis | Electronic Fetal Monitoring | Induction of Labor | Stimulation of Labor | Tocolysis | Ultrasound | Other |
| ALL AMERICAN INDIANS | | 5115 | 53 | 4422 | 1103 | 561 | 86 | 3635 | 494 |
| Resided on reservation | COCOPEAH | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| | COLORADO RIVER | 27 | 0 | 9 | 2 | 2 | 0 | 6 | 18 |
| | FORT APACHE | 242 | 1 | 213 | 45 | 28 | 8 | 196 | 18 |
| | FORT McDOWELL | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| | GILA RIVER | 139 | 3 | 135 | 24 | 7 | 0 | 132 | 68 |
| | HAVASUPAI | 7 | 0 | 7 | 2 | 1 | 0 | 3 | 0 |
| | HOPI | 86 | 0 | 86 | 23 | 9 | 1 | 47 | 1 |
| | HUALAPAI | 28 | 0 | 28 | 2 | 1 | 0 | 16 | 0 |
| | NAVAJO | 1610 | 20 | 1518 | 316 | 158 | 19 | 998 | 29 |
| | SAN CARLOS | 188 | 6 | 133 | 42 | 28 | 6 | 161 | 38 |
| | SAN XAVIER | 2 | 0 | 2 | 2 | 0 | 0 | 2 | 0 |
| | TOHONO O'ODHAM | 124 | 0 | 76 | 17 | 5 | 0 | 110 | 1 |
| TOTAL | | 2455 | 30 | 2209 | 475 | 239 | 34 | 1673 | 173 |
| Resided off reservation | ---in Maricopa County | 1373 | 19 | 1115 | 347 | 137 | 39 | 1148 | 234 |
| | ---in Pima County | 363 | 2 | 272 | 79 | 55 | 0 | 282 | 17 |
| | ---in Coconino County | 313 | 0 | 302 | 75 | 39 | 4 | 127 | 1 |
| | ---elsewhere in Arizona | 611 | 2 | 524 | 127 | 91 | 9 | 405 | 69 |
| | TOTAL | 2660 | 23 | 2213 | 628 | 322 | 52 | 1962 | 321 |

* More than one may be reported on a birth certificate.

3.13
COMPLICATIONS OF LABOR AND DELIVERY (1998 STATUS)

| | | TOTAL | COMPLICATIONS OF/LABOR AND DELIVERY* | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|--------------|---|-----------------|----------------------------|--------------------------|------------------------|-----------------------|-----------------|--------------------------|------------------------|----------------------------|-------------------------------|----------------------------|----------------------|----------------------------|-----------------------|--------------|
| | | | Febrile | Meconium | Rupture of Membrane | Abruptio Placenta | Placenta Previa | Other Bleeding | Seizures | Precipitous Labor | Prolonged Labor | Dysfunctional Labor | Breech Malpresentation | Cephalopelvic Disp. | Cord Prolapse | Anesthetic Complic. | Fetal Distress | Other |
| ALL AMERICAN INDIANS | | 1933 | 50 | 313 | 223 | 25 | 19 | 87 | 2 | 67 | 80 | 102 | 177 | 34 | 8 | 3 | 110 | 1049 |
| Resided on reservation | COLORADO RIVER | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| | FORT APACHE | 118 | 0 | 10 | 4 | 1 | 0 | 17 | 1 | 2 | 2 | 1 | 7 | 1 | 0 | 0 | 5 | 82 |
| | GILA RIVER | 29 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 8 | 1 | 0 | 0 | 1 | 18 |
| | HAVASUPAI | 3 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | HOPI | 40 | 0 | 11 | 5 | 0 | 1 | 1 | 0 | 3 | 4 | 1 | 1 | 0 | 0 | 0 | 4 | 11 |
| | HUALAPAI | 6 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 |
| | NAVAJO | 565 | 21 | 94 | 115 | 8 | 5 | 44 | 1 | 41 | 39 | 77 | 55 | 10 | 3 | 1 | 29 | 157 |
| | SAN CARLOS | 68 | 0 | 8 | 2 | 2 | 1 | 5 | 0 | 0 | 4 | 3 | 6 | 2 | 2 | 1 | 12 | 34 |
| | SAN XAVIER | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | TOHONO O'ODHAM | 26 | 1 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 | 16 |
| TOTAL | | 865 | 22 | 129 | 131 | 13 | 9 | 68 | 2 | 47 | 51 | 82 | 82 | 14 | 5 | 2 | 54 | 329 |
| Resided off reservation | ---in Maricopa County | 621 | 9 | 115 | 59 | 4 | 5 | 2 | 0 | 6 | 13 | 4 | 49 | 10 | 2 | 1 | 25 | 470 |
| | ---in Pima County | 106 | 5 | 14 | 5 | 1 | 2 | 0 | 0 | 3 | 1 | 2 | 12 | 3 | 0 | 0 | 8 | 64 |
| | ---in Coconino County | 106 | 7 | 16 | 9 | 2 | 0 | 7 | 0 | 4 | 8 | 6 | 14 | 2 | 1 | 0 | 3 | 58 |
| | ---elsewhere in Arizona | 235 | 7 | 39 | 19 | 5 | 3 | 10 | 0 | 7 | 7 | 8 | 20 | 5 | 0 | 0 | 20 | 128 |
| | TOTAL | 1068 | 28 | 184 | 92 | 12 | 10 | 19 | 0 | 20 | 29 | 20 | 95 | 20 | 3 | 1 | 56 | 720 |

* More than one may be reported on a birth certificate.

3.14
METHOD OF DELIVERY (1998 STATUS)

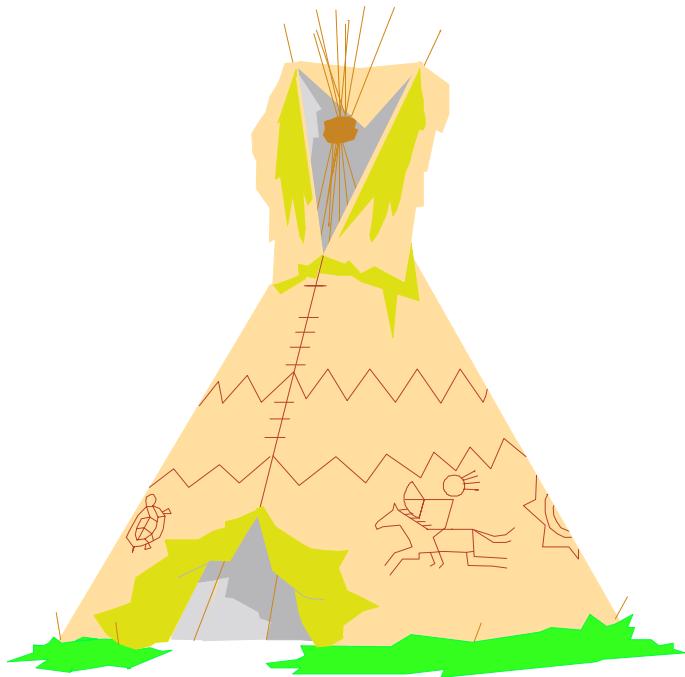
| | | TOTAL | METHOD OF DELIVERY* | | | | | |
|--------------------------------|--------------------------------|-------|---------------------|-------------------------------|----------------------|---------------------|---------|--------|
| | | | Vaginal | Vaginal after C-section | Primary C-Section | Repeat C-Section | Forceps | Vacuum |
| ALL AMERICAN INDIANS | | 5460 | 4494 | 208 | 488 | 270 | 68 | 135 |
| Resided on reservation | COCOPEAH | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | COLORADO RIVER | 27 | 11 | 2 | 11 | 3 | 0 | 0 |
| | FORT APACHE | 260 | 207 | 14 | 25 | 14 | 10 | 8 |
| | FORT McDOWELL | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| | GILA RIVER | 143 | 113 | 4 | 18 | 8 | 0 | 3 |
| | HAVASUPAI | 7 | 7 | 0 | 0 | 0 | 0 | 0 |
| | HOPI | 104 | 92 | 6 | 3 | 3 | 1 | 2 |
| | HUALAPAI | 30 | 21 | 1 | 4 | 4 | 1 | 2 |
| | NAVAJO | 1762 | 1484 | 84 | 128 | 66 | 8 | 15 |
| | SAN CARLOS | 202 | 143 | 8 | 26 | 25 | 5 | 9 |
| | SAN XAVIER | 2 | 1 | 0 | 1 | 0 | 0 | 0 |
| | TOHONO O'ODHAM | 129 | 107 | 3 | 14 | 5 | 0 | 2 |
| TOTAL | | 2668 | 2187 | 122 | 230 | 129 | 25 | 41 |
| Resided off reservation | ---in Maricopa County | 1438 | 1204 | 47 | 123 | 64 | 26 | 55 |
| | ---in Pima County | 369 | 295 | 6 | 40 | 28 | 5 | 17 |
| | ---in Coconino County | 322 | 273 | 10 | 28 | 11 | 4 | 8 |
| | ---elsewhere in Arizona | 663 | 535 | 23 | 67 | 38 | 8 | 14 |
| | TOTAL | 2792 | 2307 | 86 | 258 | 141 | 43 | 94 |

* More than one may be reported on a birth certificate.

3.15
ATTENDANT AT BIRTH (1998 STATUS)

| | | TOTAL | ATTENDANT | | | | | |
|--------------------------------|--------------------------------|--------------|------------------|---------------|------------------------|----------------|-------------|--------------|
| | | | M.D. | C.N.M. | Hospital admin. | Midwife | D.O. | Other |
| ALL AMERICAN INDIANS | | 5460 | 3051 | 2027 | 1 | 6 | 278 | 95 |
| Resided on reservation | COCOPAH | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | COLORADO RIVER | 27 | 26 | 1 | 0 | 0 | 0 | 0 |
| | FORT APACHE | 260 | 202 | 14 | 0 | 0 | 43 | 1 |
| | FORT McDOWELL | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| | GILA RIVER | 143 | 94 | 10 | 0 | 1 | 38 | 0 |
| | HAVASUPAI | 7 | 5 | 2 | 0 | 0 | 0 | 0 |
| | HOPI | 104 | 49 | 54 | 0 | 0 | 0 | 1 |
| | HUALAPAI | 30 | 17 | 0 | 0 | 0 | 12 | 1 |
| | NAVAJO | 1762 | 527 | 1155 | 1 | 1 | 22 | 55 |
| | SAN CARLOS | 202 | 188 | 10 | 0 | 0 | 2 | 0 |
| | SAN XAVIER | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| TOHONO O'ODHAM | | 129 | 120 | 6 | 0 | 0 | 1 | 2 |
| | TOTAL | 2668 | 1232 | 1252 | 1 | 2 | 118 | 62 |
| Resided off reservation | ---in Maricopa County | 1438 | 847 | 528 | 0 | 4 | 55 | 4 |
| | ---in Pima County | 369 | 289 | 72 | 0 | 0 | 3 | 5 |
| | ---in Coconino County | 322 | 224 | 67 | 0 | 0 | 28 | 3 |
| | ---elsewhere in Arizona | 663 | 459 | 108 | 0 | 0 | 74 | 21 |
| | TOTAL | 2792 | 1819 | 775 | 0 | 4 | 160 | 33 |

* More than one may be reported on a birth certificate.



NEWBORN'S HEALTH

3.16
GESTATIONAL AGE (1998 STATUS)

| | | TOTAL | LENGTH OF GESTATION | | | | |
|-----------------------------|--------------------------------|--------------|----------------------------|----------|-------|-----|---------|
| | | | <37 weeks | 37 weeks | 38-41 | 42+ | Unknown |
| ALL AMERICAN INDIANS | | 5460 | 498 | 404 | 4422 | 92 | 44 |
| Resided on reservation | COCOPEAH | 1 | 0 | 0 | 1 | 0 | 0 |
| | COLORADO RIVER | 27 | 1 | 3 | 7 | 0 | 16 |
| | FORT APACHE | 260 | 45 | 22 | 191 | 1 | 1 |
| | FORT McDOWELL | 1 | 0 | 0 | 1 | 0 | 0 |
| | GILA RIVER | 143 | 16 | 9 | 118 | 0 | 0 |
| | HAVASUPAI | 7 | 2 | 1 | 3 | 0 | 1 |
| | HOPI | 104 | 3 | 8 | 92 | 1 | 0 |
| | HUALAPAI | 30 | 6 | 5 | 19 | 0 | 0 |
| | NAVAJO | 1762 | 142 | 107 | 1485 | 25 | 3 |
| | SAN CARLOS | 202 | 23 | 17 | 154 | 6 | 2 |
| | SAN XAVIER | 2 | 0 | 0 | 2 | 0 | 0 |
| | TOHONO O'ODHAM | 129 | 9 | 18 | 99 | 0 | 3 |
| TOTAL | | 2668 | 247 | 190 | 2172 | 33 | 26 |
| Resided off reservation | ---in Maricopa County | 1438 | 126 | 105 | 1165 | 39 | 3 |
| | ---in Pima County | 369 | 30 | 36 | 296 | 1 | 6 |
| | ---in Coconino County | 322 | 27 | 21 | 267 | 3 | 4 |
| | ---elsewhere in Arizona | 663 | 68 | 52 | 522 | 16 | 5 |
| | TOTAL | 2792 | 251 | 214 | 2250 | 59 | 18 |

3.17
WEIGHT AT BIRTH (1998 STATUS)

| | | TOTAL | WEIGHT AT BIRTH | | | | |
|--------------------------------|--------------------------------|--------------|---------------------------|----------------------------|----------------------------|------------------------|----------------|
| | | | <1500 grams | 1500-2499 grams | 2500-3999 grams | 4000+ grams | Unknown |
| ALL AMERICAN INDIANS | | 5460 | 63 | 299 | 4537 | 555 | 6 |
| Resided on reservation | COCOPEAH | 1 | 0 | 1 | 0 | 0 | 0 |
| | COLORADO RIVER | 27 | 0 | 0 | 20 | 7 | 0 |
| | FORT APACHE | 260 | 9 | 21 | 207 | 23 | 0 |
| | FORT McDOWELL | 1 | 0 | 1 | 0 | 0 | 0 |
| | GILA RIVER | 143 | 1 | 8 | 124 | 10 | 0 |
| | HAVASUPAI | 7 | 0 | 0 | 6 | 1 | 0 |
| | HOPI | 104 | 1 | 7 | 91 | 5 | 0 |
| | HUALAPAI | 30 | 0 | 1 | 26 | 3 | 0 |
| | NAVAJO | 1762 | 18 | 85 | 1489 | 166 | 4 |
| | SAN CARLOS | 202 | 3 | 13 | 158 | 28 | 0 |
| | SAN XAVIER | 2 | 0 | 0 | 2 | 0 | 0 |
| TOHONO O'ODHAM | TOHONO O'ODHAM | 129 | 1 | 10 | 105 | 12 | 1 |
| | TOTAL | 2668 | 33 | 147 | 2228 | 255 | 5 |
| Resided off reservation | ---in Maricopa County | 1438 | 17 | 72 | 1183 | 165 | 1 |
| | ---in Pima County | 369 | 5 | 17 | 304 | 43 | 0 |
| | ---in Coconino County | 322 | 1 | 20 | 281 | 20 | 0 |
| | ---elsewhere in Arizona | 663 | 7 | 43 | 541 | 72 | 0 |
| | TOTAL | 2792 | 30 | 152 | 2309 | 300 | 1 |

3.18
ABNORMAL CONDITIONS OF THE NEWBORN (1998 STATUS)

| | | TOTAL | ABNORMAL CONDITIONS OF THE NEWBORN* | | | | | | | | |
|--------------------------------|--------------------------------|--------------|-------------------------------------|---------------------|-------------------------------|-------------------------|----------------------------|-----------------------------------|-----------------------------------|-----------------|--------------|
| | | | Anemia | Birth Injury | Fetal Alcohol Syndrome | Membrane Disease | Meconium Aspiration | Assisted Vent. <30 min. | Assisted Vent. >30 min. | Seizures | Other |
| ALL AMERICAN INDIANS | | 503 | 12 | 11 | 3 | 15 | 19 | 68 | 28 | 5 | 384 |
| Resided on reservation | COLORADO RIVER | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| | FORT APACHE | 38 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 35 |
| | GILA RIVER | 13 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 13 |
| | HAVASUPAI | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| | HOPI | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 8 |
| | NAVAJO | 113 | 6 | 1 | 3 | 10 | 6 | 30 | 17 | 1 | 59 |
| | SAN CARLOS | 20 | 1 | 1 | 0 | 0 | 1 | 1 | 3 | 0 | 15 |
| | SAN XAVIER | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| | TOHONO O'ODHAM | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 4 |
| TOTAL | | 205 | 10 | 2 | 3 | 11 | 9 | 36 | 24 | 1 | 135 |
| Resided off reservation | ---in Maricopa County | 189 | 0 | 3 | 0 | 3 | 6 | 3 | 0 | 3 | 177 |
| | ---in Pima County | 44 | 0 | 2 | 0 | 0 | 1 | 24 | 1 | 0 | 21 |
| | ---in Coconino County | 11 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 9 |
| | ---elsewhere in Arizona | 54 | 2 | 3 | 0 | 1 | 2 | 5 | 2 | 1 | 42 |
| | TOTAL | 298 | 2 | 9 | 0 | 4 | 10 | 32 | 4 | 4 | 249 |

* More than one may be reported on a birth certificate.

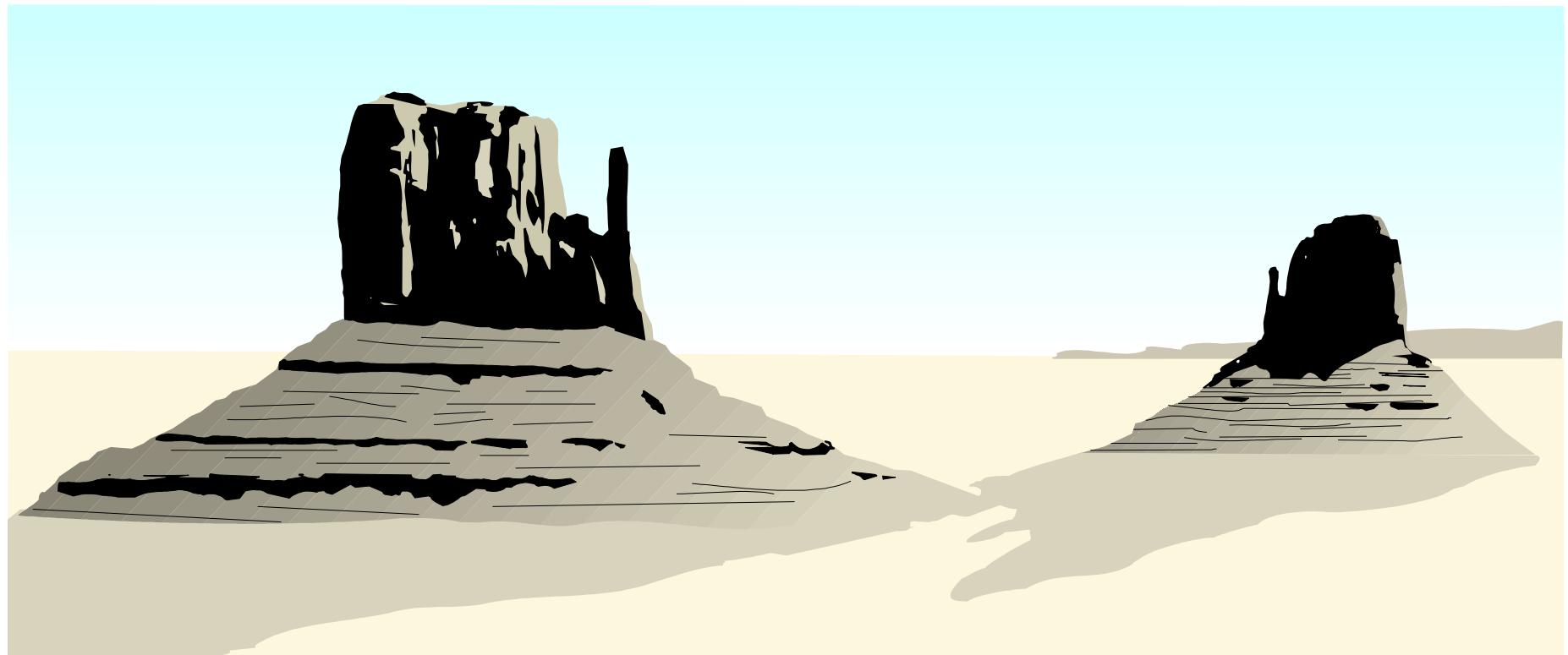
3.19
CONGENITAL ANOMALIES (BIRTH DEFECTS) (1998 STATUS)

| | | TOTAL | BIRTH DEFECTS* | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------------------|--------------|-----------------------|---------------------|----------------------|----------------------|--------------------------|----------------------------|--------------------------------|-------------------------------|--------------------|-------------------------------|----------------------------|-------------------------|-------------------------|----------------------------|------------------------|----|----|
| | | | Anencephalus | Spina Bifida | Hydrocephalus | Microcephalus | Other CNS Anomaly | Heart Malformations | Other Resp./Circulatory | Fistula/Eosph. Atresia | Omphalocele | Other Gastrointestinal | Malformed Genitalia | Other Urogenital | Cleft Lip/Palate | Other Muscoskeletal | Down's Syndrome | | |
| ALL AMERICAN INDIANS | | 137 | 2 | 1 | 3 | 1 | 1 | 9 | 11 | 1 | 3 | 1 | 4 | 1 | 8 | 7 | 2 | 2 | 95 |
| Resided on reservation | COLORADO RIVER | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | |
| | FORT APACHE | 12 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 | |
| | GILA RIVER | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | |
| | HOPI | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | NAVAJO | 34 | 1 | 1 | 0 | 1 | 1 | 3 | 1 | 1 | 0 | 0 | 3 | 1 | 2 | 5 | 0 | 1 | |
| | SAN CARLOS | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| | TOHONO O'ODHAM | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| TOTAL | | 71 | 1 | 1 | 1 | 1 | 1 | 4 | 6 | 1 | 2 | 1 | 3 | 1 | 3 | 5 | 0 | 2 | 47 |
| Resided off reservation | ---in Maricopa County | 40 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 32 |
| | ---in Pima County | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 2 |
| | ---elsewhere in Arizona | 18 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 14 |
| | TOTAL | 66 | 1 | 0 | 2 | 0 | 0 | 5 | 5 | 0 | 1 | 0 | 1 | 0 | 5 | 2 | 2 | 0 | 48 |

* More than one may be reported on a birth certificate.

TABLE 3.20
CAUSES OF INFANT DEATH AMONG AMERICAN INDIAN RESIDENTS OF ARIZONA, 1998

| | ALL AMERICAN INDIANS | Resided on reservation | | | | | | | | | | Resided off reservation | | | |
|---|----------------------|------------------------|----------------|-------------|------------|------|----------|--------|------------|------------|----------------|-------------------------|------------------|----------------------|------------------------|
| | | AK CHIN | COLORADO RIVER | FORT APACHE | GILA RIVER | HOPI | HUALAPAI | NAVAJO | SAN CARLOS | SAN XAVIER | TOHONO O'ODHAM | --in Maricopa County | --in Pima County | --in Coconino County | --elsewhere in Arizona |
| ALL CAUSES | 62 | 1 | 2 | 3 | 2 | 2 | 1 | 21 | 1 | 1 | 3 | 13 | 2 | 3 | 7 |
| CONDITIONS ORIGINATING IN THE PERINATAL PERIOD | 14 | 1 | 1 | 1 | 0 | 0 | 0 | 5 | 1 | 0 | 1 | 3 | 0 | 0 | 1 |
| -Low birthweight/short gestation | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| -Other respiratory condition | 5 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| -Maternal complications | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| -Other perinatal conditions | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| CONGENITAL ANOMALIES | 14 | 0 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 3 | 0 | 1 | 1 |
| -Heart and/or circulatory system | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| -Brain, spinal cord or nervous system | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Other anomalies | 6 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| SUDDEN INFANT DEATH SYNDROME (SIDS) | 7 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 |
| Infectious & Parasitic Disease | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| PNEUMONIA/INFLUENZA | 10 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 4 | 1 | 2 | 0 |
| ALL OTHER CAUSES | 12 | 0 | 0 | 0 | 2 | 1 | 0 | 4 | 0 | 0 | 1 | 1 | 1 | 0 | 2 |



IV.
PATTERNS OF MORTALITY AMONG
AMERICAN INDIANS BY PLACE OF RESIDENCE
IN ARIZONA IN 1998



AGE-SPECIFIC MORTALITY

4.1
AGE-SPECIFIC MORTALITY IN 1998

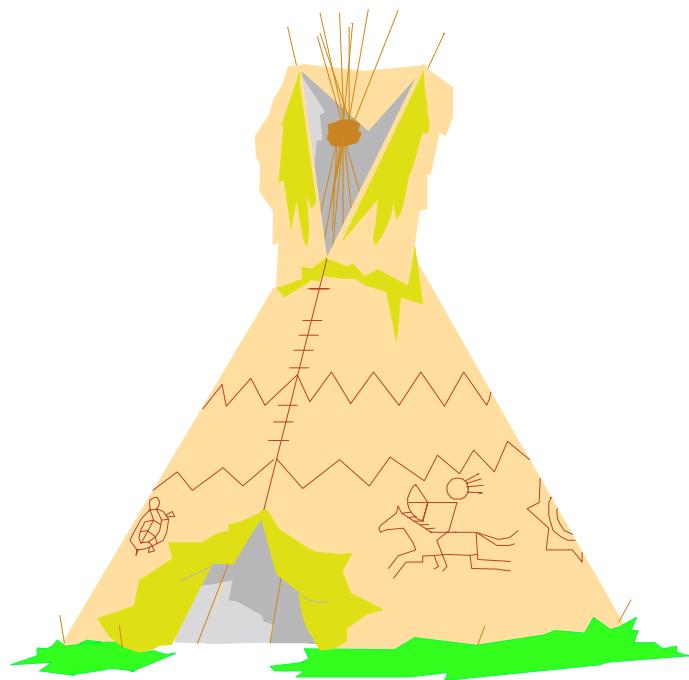
| | | TOTAL | AGE GROUP | | | | | | | | | |
|--------------------------------|--------------------------------|--------------|------------------|-----|------|-------|-------|-------|-------|-------|-----|---------|
| | | | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ | UNKNOWN |
| ALL AMERICAN INDIANS | | 1527 | 62 | 25 | 23 | 100 | 155 | 174 | 183 | 196 | 606 | 3 |
| Resided on reservation | AK CHIN | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | COLORADO RIVER | 31 | 2 | 0 | 0 | 1 | 4 | 5 | 4 | 4 | 11 | 0 |
| | FORT APACHE | 70 | 3 | 1 | 2 | 7 | 10 | 6 | 8 | 7 | 26 | 0 |
| | FORT McDOWELL | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| | GILA BEND | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| | GILA RIVER | 63 | 2 | 0 | 1 | 3 | 5 | 10 | 11 | 12 | 19 | 0 |
| | HAVASUPAI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| | HOPI | 47 | 2 | 2 | 0 | 0 | 6 | 2 | 1 | 3 | 31 | 0 |
| | HUALAPAI | 14 | 1 | 0 | 1 | 1 | 2 | 0 | 2 | 2 | 5 | 0 |
| | NAVAJO | 529 | 21 | 7 | 4 | 33 | 45 | 50 | 48 | 65 | 253 | 3 |
| | SALT RIVER | 25 | 0 | 3 | 1 | 2 | 3 | 2 | 7 | 3 | 4 | 0 |
| | SAN CARLOS | 55 | 1 | 0 | 0 | 1 | 6 | 8 | 2 | 11 | 26 | 0 |
| | SAN XAVIER | 9 | 1 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 2 | 0 |
| | TOHONO O'ODHAM | 119 | 3 | 0 | 3 | 5 | 12 | 13 | 16 | 28 | 39 | 0 |
| TOTAL | | 971 | 37 | 14 | 12 | 55 | 95 | 99 | 101 | 138 | 417 | 3 |
| Resided off reservation | ---in Maricopa County | 204 | 13 | 4 | 6 | 12 | 19 | 36 | 31 | 26 | 57 | 0 |
| | ---in Pima County | 100 | 2 | 2 | 2 | 4 | 12 | 12 | 20 | 12 | 34 | 0 |
| | ---in Coconino County | 35 | 3 | 1 | 1 | 6 | 6 | 4 | 5 | 3 | 6 | 0 |
| | ---elsewhere in Arizona | 217 | 7 | 4 | 2 | 23 | 23 | 23 | 26 | 17 | 92 | 0 |
| | TOTAL | 556 | 25 | 11 | 11 | 45 | 60 | 75 | 82 | 58 | 189 | 0 |

4.2
AGE-SPECIFIC MORTALITY AMONG MALES IN 1998

| | TOTAL | AGE GROUP | | | | | | | | | |
|--------------------------------|--------------|------------------|-----|------|-------|-------|-------|-------|-------|-----|---------|
| | | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ | UNKNOWN |
| ALL AMERICAN INDIANS | 901 | 37 | 15 | 15 | 78 | 110 | 114 | 114 | 112 | 305 | 1 |
| Resided on reservation | | | | | | | | | | | |
| AK CHIN | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| COLORADO RIVER | 17 | 1 | 0 | 0 | 1 | 3 | 1 | 2 | 3 | 6 | 0 |
| FORT APACHE | 35 | 2 | 1 | 1 | 4 | 6 | 3 | 5 | 4 | 9 | 0 |
| FORT McDOWELL | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| GILA BEND | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| GILA RIVER | 36 | 1 | 0 | 1 | 1 | 5 | 6 | 7 | 6 | 9 | 0 |
| HAVASUPAI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| HOPI | 26 | 0 | 2 | 0 | 0 | 3 | 2 | 0 | 1 | 18 | 0 |
| HUALAPAI | 9 | 0 | 0 | 0 | 1 | 2 | 0 | 1 | 1 | 4 | 0 |
| NAVAJO | 331 | 15 | 5 | 2 | 27 | 30 | 40 | 36 | 44 | 131 | 1 |
| SALT RIVER | 15 | 0 | 1 | 1 | 2 | 2 | 0 | 4 | 3 | 2 | 0 |
| SAN CARLOS | 33 | 0 | 0 | 0 | 1 | 5 | 7 | 1 | 7 | 12 | 0 |
| SAN XAVIER | 6 | 0 | 0 | 0 | 1 | 2 | 2 | 1 | 0 | 0 | 0 |
| TOHONO O'ODHAM | 71 | 3 | 0 | 2 | 3 | 8 | 8 | 13 | 16 | 18 | 0 |
| TOTAL | 586 | 22 | 10 | 7 | 42 | 66 | 70 | 71 | 87 | 210 | 1 |
| Resided off reservation | | | | | | | | | | | |
| ---in Maricopa County | 114 | 9 | 3 | 4 | 10 | 14 | 21 | 17 | 10 | 26 | 0 |
| ---in Pima County | 63 | 2 | 1 | 2 | 3 | 10 | 9 | 11 | 7 | 18 | 0 |
| ---in Coconino County | 23 | 1 | 1 | 1 | 6 | 6 | 3 | 2 | 0 | 3 | 0 |
| ---elsewhere in Arizona | 115 | 3 | 0 | 1 | 17 | 14 | 11 | 13 | 8 | 48 | 0 |
| TOTAL | 315 | 15 | 5 | 8 | 36 | 44 | 44 | 43 | 25 | 95 | 0 |

4.3
AGE-SPECIFIC MORTALITY AMONG FEMALES IN 1998

| | | TOTAL | AGE GROUP | | | | | | | | | |
|-----------------------------|--------------------------------|--------------|------------------|-----|------|-------|-------|-------|-------|-------|-----|---------|
| | | | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ | UNKNOWN |
| ALL AMERICAN INDIANS | | 626 | 25 | 10 | 8 | 22 | 45 | 60 | 69 | 84 | 301 | 2 |
| Resided on reservation | AK CHIN | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | COLORADO RIVER | 14 | 1 | 0 | 0 | 0 | 1 | 4 | 2 | 1 | 5 | 0 |
| | FORT APACHE | 35 | 1 | 0 | 1 | 3 | 4 | 3 | 3 | 3 | 17 | 0 |
| | GILA BEND | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| | GILA RIVER | 27 | 1 | 0 | 0 | 2 | 0 | 4 | 4 | 6 | 10 | 0 |
| | HOPI | 21 | 2 | 0 | 0 | 0 | 3 | 0 | 1 | 2 | 13 | 0 |
| | HUALAPAI | 5 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 |
| | NAVAJO | 198 | 6 | 2 | 2 | 6 | 15 | 10 | 12 | 21 | 122 | 2 |
| | SALT RIVER | 10 | 0 | 2 | 0 | 0 | 1 | 2 | 3 | 0 | 2 | 0 |
| | SAN CARLOS | 22 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 14 | 0 |
| | SAN XAVIER | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| | TOHONO O'ODHAM | 48 | 0 | 0 | 1 | 2 | 4 | 5 | 3 | 12 | 21 | 0 |
| | TOTAL | 385 | 15 | 4 | 5 | 13 | 29 | 29 | 30 | 51 | 207 | 2 |
| Resided off reservation | ---in Maricopa County | 90 | 4 | 1 | 2 | 2 | 5 | 15 | 14 | 16 | 31 | 0 |
| | ---in Pima County | 37 | 0 | 1 | 0 | 1 | 2 | 3 | 9 | 5 | 16 | 0 |
| | ---in Coconino County | 12 | 2 | 0 | 0 | 0 | 0 | 1 | 3 | 3 | 3 | 0 |
| | ---elsewhere in Arizona | 102 | 4 | 4 | 1 | 6 | 9 | 12 | 13 | 9 | 44 | 0 |
| | TOTAL | 241 | 10 | 6 | 3 | 9 | 16 | 31 | 39 | 33 | 94 | 0 |



CAUSE-SPECIFIC MORTALITY

4.4
DEATHS FROM CAUSES SELECTED* AS INDICATORS FOR
MONITORING PROGRESS TOWARD THE YEAR 2000 OBJECTIVES (1998 STATUS)

| | | TOTAL | Cardio-vascular Disease | Motor Vehicle Injury | Lung Cancer | Female Breast Cancer | Homicide | Suicide | Work-Related Injury** | All Other Causes |
|--------------------------------|--------------------------------|--------------|--------------------------------|-----------------------------|--------------------|-----------------------------|-----------------|----------------|------------------------------|-------------------------|
| ALL AMERICAN INDIANS | | 1527 | 313 | 180 | 15 | 8 | 53 | 46 | 2 | 910 |
| Resided on reservation | AK CHIN | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| | COLORADO RIVER | 31 | 6 | 3 | 0 | 1 | 1 | 2 | 0 | 18 |
| | FORT APACHE | 70 | 8 | 10 | 0 | 0 | 5 | 2 | 0 | 45 |
| | FORT McDOWELL | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | GILA BEND | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | GILA RIVER | 63 | 7 | 5 | 0 | 0 | 2 | 2 | 0 | 47 |
| | HAVASUPAI | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | HOPI | 47 | 11 | 5 | 0 | 0 | 0 | 2 | 0 | 29 |
| | HUALAPAI | 14 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 9 |
| | NAVAJO | 529 | 117 | 69 | 4 | 3 | 15 | 12 | 2 | 307 |
| | SALT RIVER | 25 | 3 | 5 | 0 | 0 | 0 | 1 | 0 | 16 |
| | SAN CARLOS | 55 | 10 | 10 | 0 | 0 | 1 | 0 | 0 | 34 |
| | SAN XAVIER | 9 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 8 |
| Resided off reservation | TOHONO O'ODHAM | 119 | 16 | 7 | 0 | 0 | 1 | 7 | 0 | 88 |
| | TOTAL | 971 | 182 | 118 | 4 | 4 | 26 | 28 | 2 | 607 |
| | ---in Maricopa County | 204 | 48 | 16 | 2 | 2 | 14 | 2 | 0 | 120 |
| | ---in Pima County | 100 | 26 | 10 | 5 | 1 | 5 | 5 | 0 | 48 |
| | ---in Coconino County | 35 | 3 | 11 | 0 | 0 | 2 | 2 | 0 | 17 |
| | ---elsewhere in Arizona | 217 | 54 | 25 | 4 | 1 | 6 | 9 | 0 | 118 |
| | TOTAL | 556 | 131 | 62 | 11 | 4 | 27 | 18 | 0 | 303 |

* Center for Disease Control: Consensus set of health status indicators for the general assessment of community health, United States. MMWR 40 (27:449-51, 1991)

** Non-motor vehicle

4.5
LEADING CAUSES OF DEATH IN 1998

| | TOTAL | Resided on reservation | | | | | | | | | | | | | Resided off reservation | | | | |
|--|--------------|------------------------|-----------------------|--------------------|----------------------|------------------|-------------------|------------------|-------------|-----------------|---------------|-------------------|-------------------|-------------------|-------------------------|----------------------|------------------|----------------------|------------------------|
| | | AK CHIN | COLORADO RIVER | FORT APACHE | FORT McDOWELL | GILA BEND | GILA RIVER | HAVASUPAI | HOPI | HUALAPAI | NAVAJO | SALT RIVER | SAN CARLOS | SAN XAVIER | TOHONO O'ODHAM | --in Maricopa County | --in Pima County | --in Coconino County | --elsewhere in Arizona |
| ALL AMERICAN INDIANS | 1527 | 2 | 31 | 70 | 3 | 3 | 63 | 1 | 47 | 14 | 529 | 25 | 55 | 9 | 119 | 204 | 100 | 35 | 217 |
| Unintentional injury | 283 | 1 | 6 | 11 | 1 | 0 | 9 | 0 | 8 | 3 | 107 | 7 | 15 | 1 | 15 | 32 | 17 | 11 | 39 |
| Motor Vehicle-Related | 180 | 1 | 3 | 10 | 0 | 0 | 5 | 0 | 5 | 2 | 69 | 5 | 10 | 1 | 7 | 16 | 10 | 11 | 25 |
| Drowning | 10 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| Other Injury | 93 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 3 | 1 | 37 | 0 | 5 | 0 | 8 | 15 | 6 | 0 | 13 |
| Diseases of Heart | 241 | 0 | 5 | 4 | 1 | 1 | 3 | 0 | 6 | 2 | 95 | 2 | 8 | 0 | 14 | 36 | 22 | 1 | 41 |
| Malignant Neoplasms | 157 | 0 | 4 | 9 | 0 | 0 | 2 | 0 | 1 | 4 | 57 | 3 | 4 | 1 | 11 | 19 | 10 | 3 | 29 |
| Diabetes | 107 | 0 | 1 | 1 | 0 | 1 | 15 | 0 | 5 | 1 | 30 | 4 | 9 | 1 | 8 | 15 | 6 | 1 | 9 |
| Alcoholism | 96 | 0 | 5 | 9 | 1 | 0 | 5 | 0 | 0 | 0 | 21 | 3 | 2 | 1 | 13 | 16 | 6 | 1 | 13 |
| Pneumonia/Influenza | 84 | 0 | 0 | 5 | 0 | 0 | 2 | 0 | 4 | 2 | 38 | 1 | 2 | 0 | 4 | 9 | 3 | 6 | 8 |
| Homicide/Legal-intervention | 53 | 0 | 1 | 5 | 0 | 0 | 2 | 0 | 0 | 1 | 15 | 0 | 1 | 0 | 1 | 14 | 5 | 2 | 6 |
| Suicide | 46 | 0 | 2 | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 12 | 1 | 0 | 0 | 7 | 2 | 5 | 2 | 9 |
| Cerebrovascular Disease | 53 | 0 | 1 | 4 | 0 | 0 | 3 | 0 | 4 | 0 | 20 | 1 | 1 | 0 | 2 | 7 | 2 | 1 | 7 |
| Infectious & Parasitic Diseases | 55 | 0 | 1 | 3 | 0 | 1 | 2 | 0 | 1 | 1 | 13 | 1 | 1 | 1 | 10 | 8 | 4 | 2 | 6 |
| HIV Infection | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 |
| Other Infectious Disease | 48 | 0 | 1 | 2 | 0 | 1 | 2 | 0 | 1 | 0 | 12 | 0 | 1 | 1 | 9 | 7 | 4 | 2 | 5 |
| III Defined Conditions | 27 | 0 | 1 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 10 | 0 | 1 | 1 | 0 | 3 | 0 | 1 | 5 |
| Congenital Anomalies | 17 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 9 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 1 |
| Chronic Obstructive Pulmonary Disease | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 5 | 4 | 0 | 3 |
| Diseases of Arteries | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 1 |
| Perinatal Conditions | 14 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 1 |
| Atherosclerosis | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| All Other Causes | 266 | 0 | 3 | 13 | 0 | 0 | 14 | 0 | 15 | 0 | 93 | 2 | 9 | 3 | 32 | 28 | 15 | 3 | 36 |

4.6
LEADING CAUSES OF DEATH AMONG MALES IN 1998

| | TOTAL | Resided on reservation | | | | | | | | | | | | | | Resided off reservation | | | |
|--|--------------|------------------------|-----------------------|--------------------|----------------------|------------------|-------------------|------------------|-------------|-----------------|---------------|-------------------|-------------------|-------------------|-----------------------|-------------------------|-------------------|-----------------------|-------------------------|
| | | AK CHIN | COLORADO RIVER | FORT APACHE | FORT McDOWELL | GILA BEND | GILA RIVER | HAVASUPAI | HOPI | HUALAPAI | NAVAJO | SALT RIVER | SAN CARLOS | SAN XAVIER | TOHONO O'ODHAM | ---in Maricopa County | ---in Pima County | ---in Coconino County | ---elsewhere in Arizona |
| ALL AMERICAN INDIANS | 901 | 1 | 17 | 35 | 3 | 2 | 36 | 1 | 26 | 9 | 331 | 15 | 33 | 6 | 71 | 114 | 63 | 23 | 115 |
| Unintentional injury | 190 | 1 | 5 | 6 | 1 | 0 | 5 | 0 | 6 | 2 | 76 | 4 | 11 | 1 | 7 | 22 | 13 | 10 | 20 |
| Motor Vehicle-Related | 113 | 1 | 2 | 5 | 0 | 0 | 2 | 0 | 3 | 1 | 42 | 3 | 9 | 1 | 2 | 12 | 8 | 10 | 12 |
| Drowning | 7 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Other Injury | 70 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 3 | 1 | 33 | 0 | 2 | 0 | 5 | 10 | 4 | 0 | 7 |
| Diseases of Heart | 153 | 0 | 3 | 2 | 1 | 1 | 2 | 0 | 4 | 0 | 67 | 2 | 4 | 0 | 7 | 24 | 11 | 1 | 24 |
| Malignant Neoplasms | 79 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 4 | 33 | 2 | 2 | 0 | 4 | 8 | 6 | 0 | 13 |
| Alcoholism | 65 | 0 | 3 | 4 | 1 | 0 | 5 | 0 | 0 | 0 | 15 | 1 | 1 | 1 | 11 | 9 | 4 | 1 | 9 |
| Pneumonia/Influenza | 51 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | 4 | 1 | 23 | 1 | 0 | 0 | 3 | 7 | 2 | 3 | 2 |
| Homicide/Legal-intervention | 43 | 0 | 1 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 14 | 0 | 1 | 0 | 1 | 10 | 4 | 2 | 5 |
| Suicide | 38 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 2 | 0 | 8 | 1 | 0 | 0 | 6 | 2 | 4 | 2 | 9 |
| Diabetes | 52 | 0 | 0 | 1 | 0 | 1 | 6 | 0 | 1 | 0 | 16 | 3 | 6 | 1 | 4 | 6 | 2 | 1 | 4 |
| Infectious & Parasitic Diseases | 25 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 7 | 1 | 1 | 0 | 5 | 3 | 2 | 0 | 1 |
| HIV Infection | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Other Infectious Disease | 20 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 6 | 0 | 1 | 0 | 4 | 3 | 2 | 0 | 1 |
| Ill Defined Conditions | 19 | 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 7 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 4 |
| Cerebrovascular Disease | 21 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 2 | 0 | 9 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 2 |
| Congenital Anomalies | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 |
| Chronic Obstructive Pulmonary Disease | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 2 |
| Diseases of Arteries | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| Perinatal Conditions | 8 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 1 |
| Atherosclerosis | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| All Other Causes | 125 | 0 | 1 | 4 | 0 | 0 | 7 | 0 | 6 | 0 | 44 | 0 | 5 | 2 | 19 | 12 | 9 | 1 | 15 |

4.7
LEADING CAUSES OF DEATH AMONG FEMALES IN 1998

| | TOTAL | Resided on reservation | | | | | | | | | | Resided off reservation | | | | | |
|--|--------------|------------------------|-----------------------|--------------------|------------------|-------------------|-------------|-----------------|---------------|-------------------|-------------------|-------------------------|-----------------------|------------------------------|--------------------------|------------------------------|--------------------------------|
| | | AK CHIN | COLORADO RIVER | FORT APACHE | GILA BEND | GILA RIVER | HOPI | HUALAPAI | NAVAJO | SALT RIVER | SAN CARLOS | SAN XAVIER | TOHONO O'ODHAM | ---in Maricopa County | ---in Pima County | ---in Coconino County | ---elsewhere in Arizona |
| ALL CAUSES | 626 | 1 | 14 | 35 | 1 | 27 | 21 | 5 | 198 | 10 | 22 | 3 | 48 | 90 | 37 | 12 | 102 |
| Diseases of Heart | 88 | 0 | 2 | 2 | 0 | 1 | 2 | 2 | 28 | 0 | 4 | 0 | 7 | 12 | 11 | 0 | 17 |
| Unintentional injury | 93 | 0 | 1 | 5 | 0 | 4 | 2 | 1 | 31 | 3 | 4 | 0 | 8 | 10 | 4 | 1 | 19 |
| Motor Vehicle-Related | 67 | 0 | 1 | 5 | 0 | 3 | 2 | 1 | 27 | 2 | 1 | 0 | 5 | 4 | 2 | 1 | 13 |
| Drowning | 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Other Injury | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 3 | 0 | 3 | 5 | 2 | 0 | 6 |
| Malignant Neoplasms | 78 | 0 | 2 | 4 | 0 | 2 | 1 | 0 | 24 | 1 | 2 | 1 | 7 | 11 | 4 | 3 | 16 |
| Diabetes | 55 | 0 | 1 | 0 | 0 | 9 | 4 | 1 | 14 | 1 | 3 | 0 | 4 | 9 | 4 | 0 | 5 |
| Pneumonia/Influenza | 33 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 15 | 0 | 2 | 0 | 1 | 2 | 1 | 3 | 6 |
| Alcoholism | 31 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 6 | 2 | 1 | 0 | 2 | 7 | 2 | 0 | 4 |
| Cerebrovascular Disease | 32 | 0 | 1 | 3 | 0 | 0 | 2 | 0 | 11 | 1 | 1 | 0 | 0 | 6 | 1 | 1 | 5 |
| Infectious & Parasitic Diseases | 30 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 1 | 5 | 5 | 2 | 2 | 5 |
| HIV Infection | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Other Infectious Disease | 28 | 0 | 1 | 2 | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 1 | 5 | 4 | 2 | 2 | 4 |
| Ill Defined Conditions | 8 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 |
| Homicide/Legal-intervention | 10 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 1 |
| Congenital Anomalies | 5 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 |
| Suicide | 8 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| Diseases of Arteries | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Chronic Obstructive Pulmonary Disease | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Perinatal Conditions | 6 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Atherosclerosis | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| All Other Causes | 141 | 0 | 2 | 9 | 0 | 7 | 9 | 0 | 49 | 2 | 4 | 1 | 13 | 16 | 6 | 2 | 21 |



LEADING CAUSES OF DEATH BY AGE GROUP FOR SELECTED INDIAN NATIONS

4.8
**LEADING CAUSES OF DEATH BY AGE GROUP AMONG RESIDENTS
OF NAVAJO TRIBAL COMMUNITIES IN 1998**

| | TOTAL | AGE GROUP | | | | | | | | | |
|--|--------------|------------------|------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|----------------|
| | | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ | UNKNOWN |
| ALL CAUSES | 529 | 21 | 7 | 4 | 33 | 45 | 50 | 48 | 65 | 253 | 3 |
| Unintentional injury | 107 | 0 | 3 | 3 | 22 | 20 | 22 | 13 | 7 | 17 | 0 |
| Motor Vehicle-Related | 69 | 0 | 3 | 1 | 14 | 14 | 18 | 9 | 3 | 7 | 0 |
| Drowning | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Injury | 37 | 0 | 0 | 2 | 7 | 6 | 4 | 4 | 4 | 10 | 0 |
| Diseases of Heart | 95 | 2 | 1 | 0 | 1 | 1 | 4 | 5 | 16 | 65 | 0 |
| Malignant Neoplasms | 57 | 0 | 0 | 1 | 2 | 1 | 5 | 5 | 12 | 31 | 0 |
| Diabetes | 30 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 6 | 17 | 0 |
| Alcoholism | 21 | 0 | 0 | 0 | 0 | 1 | 5 | 8 | 4 | 3 | 0 |
| Pneumonia/Influenza | 38 | 2 | 0 | 0 | 1 | 1 | 0 | 3 | 2 | 29 | 0 |
| Homicide/Legal-intervention | 15 | 0 | 1 | 0 | 4 | 3 | 5 | 2 | 0 | 0 | 0 |
| Suicide | 12 | 0 | 0 | 0 | 2 | 7 | 2 | 0 | 1 | 0 | 0 |
| Cerebrovascular Disease | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 |
| Infectious & Parasitic Diseases | 13 | 2 | 1 | 0 | 0 | 2 | 1 | 1 | 4 | 2 | 0 |
| HIV Infection | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Other Infectious Disease | 12 | 2 | 1 | 0 | 0 | 1 | 1 | 1 | 4 | 2 | 0 |
| III Defined Conditions | 10 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 6 | 0 |
| Congenital Anomalies | 9 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Chronic Obstructive Pulmonary Disease | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| Diseases of Arteries | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Perinatal Conditions | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| All Other Causes | 93 | 1 | 1 | 0 | 1 | 9 | 2 | 4 | 12 | 60 | 3 |

4.9
**LEADING CAUSES OF DEATH BY AGE GROUP AMONG RESIDENTS
OF HOPI TRIBAL COMMUNITIES IN 1998**

| | TOTAL | AGE GROUP | | | | | | |
|--|--------------|------------------|------------|--------------|--------------|--------------|--------------|------------|
| | | <1 | 1-4 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
| ALL CAUSES | 47 | 2 | 2 | 6 | 2 | 1 | 3 | 31 |
| Unintentional injury | 8 | 0 | 2 | 3 | 2 | 0 | 0 | 1 |
| Motor Vehicle-Related | 5 | 0 | 1 | 3 | 1 | 0 | 0 | 0 |
| Other Injury | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| Diseases of Heart | 6 | 0 | 0 | 0 | 0 | 0 | 1 | 5 |
| Malignant Neoplasms | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Diabetes | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Pneumonia/Influenza | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Suicide | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| Cerebrovascular Disease | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Infectious & Parasitic Diseases | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Other Infectious Disease | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| All Other Causes | 15 | 1 | 0 | 1 | 0 | 1 | 2 | 10 |

4.10
**LEADING CAUSES OF DEATH BY AGE GROUP AMONG RESIDENTS
OF FORT APACHE TRIBAL COMMUNITIES IN 1998**

| | TOTAL | AGE GROUP | | | | | | | | |
|--|--------------|------------------|------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
| ALL CAUSES | 70 | 3 | 1 | 2 | 7 | 10 | 6 | 8 | 7 | 26 |
| Unintentional injury | 11 | 0 | 0 | 1 | 4 | 2 | 1 | 0 | 1 | 2 |
| Motor Vehicle-Related | 10 | 0 | 0 | 1 | 3 | 2 | 1 | 0 | 1 | 2 |
| Other Injury | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Diseases of Heart | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| Malignant Neoplasms | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 5 |
| Diabetes | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Alcoholism | 9 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 1 | 1 |
| Pneumonia/Influenza | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 |
| Homicide/Legal-intervention | 5 | 0 | 0 | 0 | 2 | 2 | 0 | 1 | 0 | 0 |
| Suicide | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| Cerebrovascular Disease | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Infectious & Parasitic Diseases | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| HIV Infection | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Other Infectious Disease | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Ill Defined Conditions | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Congenital Anomalies | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| All Other Causes | 13 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 9 |

4.11
**LEADING CAUSES OF DEATH BY AGE GROUP AMONG RESIDENTS
OF GILA RIVER TRIBAL COMMUNITIES IN 1998**

| | TOTAL | AGE GROUP | | | | | | | |
|--|--------------|------------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | <1 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
| ALL CAUSES | 63 | 2 | 1 | 3 | 5 | 10 | 11 | 12 | 19 |
| Unintentional injury | 9 | 0 | 0 | 1 | 2 | 3 | 1 | 0 | 2 |
| Motor Vehicle-Related | 5 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 2 |
| Drowning | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| Other Injury | 2 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Diseases of Heart | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| Malignant Neoplasms | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Diabetes | 15 | 0 | 0 | 0 | 0 | 1 | 3 | 5 | 6 |
| Alcoholism | 5 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 |
| Pneumonia/Influenza | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Homicide/Legal-intervention | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Suicide | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| Cerebrovascular Disease | 3 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| Infectious & Parasitic Diseases | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Other Infectious Disease | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Ill Defined Conditions | 3 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |
| All Other Causes | 14 | 1 | 0 | 0 | 1 | 2 | 1 | 4 | 5 |

4.12
**LEADING CAUSES OF DEATH BY AGE GROUP AMONG RESIDENTS
 OF SALT RIVER TRIBAL COMMUNITIES IN 1998**

| | TOTAL | AGE GROUP | | | | | | | |
|--|--------------|------------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
| ALL CAUSES | 25 | 3 | 1 | 2 | 3 | 2 | 7 | 3 | 4 |
| Unintentional injury | 7 | 3 | 1 | 1 | 0 | 1 | 0 | 1 | 0 |
| Motor Vehicle-Related | 5 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| Drowning | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diseases of Heart | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Malignant Neoplasms | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| Diabetes | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| Alcoholism | 3 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| Pneumonia/Influenza | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Suicide | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Infectious & Parasitic Diseases | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| HIV Infection | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| All Other Causes | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 |

4.13
**LEADING CAUSES OF DEATH BY AGE GROUP AMONG RESIDENTS
OF SAN CARLOS TRIBAL COMMUNITIES IN 1998¹**

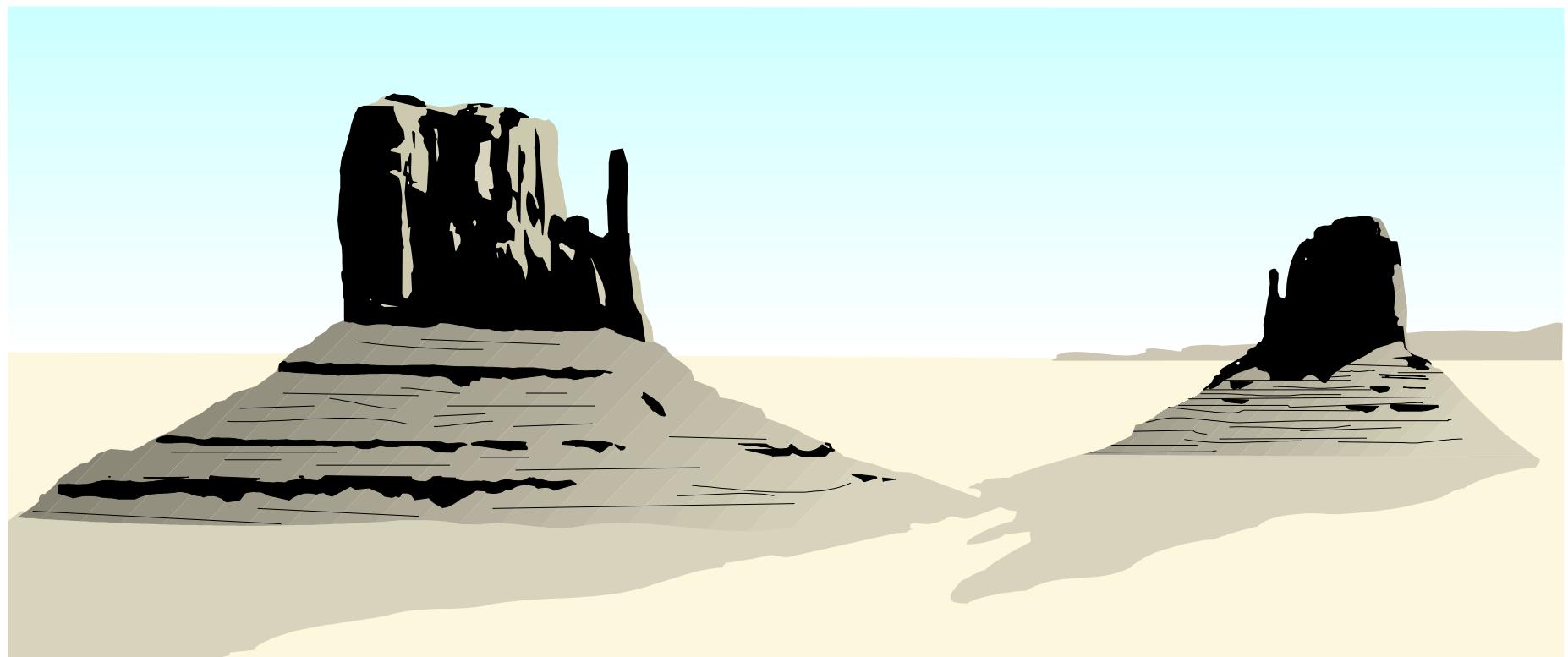
| | TOTAL | AGE GROUP | | | | | | |
|--|--------------|------------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | <1 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
| ALL CAUSES | 55 | 1 | 1 | 6 | 8 | 2 | 11 | 26 |
| Unintentional injury | 15 | 0 | 1 | 5 | 6 | 0 | 1 | 2 |
| Motor Vehicle-Related | 10 | 0 | 1 | 5 | 4 | 0 | 0 | 0 |
| Other Injury | 5 | 0 | 0 | 0 | 2 | 0 | 1 | 2 |
| Diseases of Heart | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Malignant Neoplasms | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Diabetes | 9 | 0 | 0 | 0 | 0 | 0 | 4 | 5 |
| Alcoholism | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Pneumonia/Influenza | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Infectious & Parasitic Diseases | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Other Infectious Disease | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| All Other Causes | 9 | 0 | 0 | 0 | 2 | 1 | 2 | 4 |

4.14
**LEADING CAUSES OF DEATH BY AGE GROUP AMONG RESIDENTS
 OF TOHONO O'ODHAM TRIBAL COMMUNITIES IN 1998**

| | TOTAL | AGE GROUP | | | | | | | |
|--|--------------|------------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | <1 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
| ALL CAUSES | 119 | 3 | 3 | 5 | 12 | 13 | 16 | 28 | 39 |
| Unintentional injury | 15 | 0 | 2 | 1 | 4 | 2 | 3 | 2 | 1 |
| Motor Vehicle-Related | 7 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 0 |
| Other Injury | 8 | 0 | 2 | 1 | 2 | 0 | 1 | 1 | 1 |
| Diseases of Heart | 14 | 0 | 0 | 0 | 0 | 2 | 0 | 3 | 9 |
| Malignant Neoplasms | 11 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 7 |
| Diabetes | 8 | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 1 |
| Alcoholism | 13 | 0 | 0 | 0 | 1 | 2 | 5 | 5 | 0 |
| Pneumonia/Influenza | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| Homicide/Legal-intervention | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Suicide | 7 | 0 | 1 | 3 | 2 | 1 | 0 | 0 | 0 |
| Cerebrovascular Disease | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Infectious & Parasitic Diseases | 10 | 1 | 0 | 0 | 2 | 0 | 0 | 3 | 4 |
| HIV Infection | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Other Infectious Disease | 9 | 1 | 0 | 0 | 1 | 0 | 0 | 3 | 4 |
| Chronic Obstructive Pulmonary Disease | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| All Other Causes | 32 | 1 | 0 | 1 | 1 | 5 | 4 | 7 | 13 |

4.15**LEADING CAUSES OF DEATH BY AGE GROUP AMONG AMERICAN INDIANS WHO RESIDED OFF RESERVATION IN 1998**

| | TOTAL | AGE GROUP | | | | | | | | |
|--|--------------|------------------|------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|
| | | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65+ |
| ALL CAUSES | 556 | 25 | 11 | 11 | 45 | 60 | 75 | 82 | 58 | 189 |
| Unintentional injury | 99 | 0 | 2 | 5 | 25 | 22 | 24 | 12 | 3 | 6 |
| Motor Vehicle-Related | 62 | 0 | 2 | 3 | 22 | 11 | 11 | 9 | 2 | 2 |
| Drowning | 3 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 |
| Other Injury | 34 | 0 | 0 | 1 | 3 | 11 | 11 | 3 | 1 | 4 |
| Diseases of Heart | 100 | 3 | 2 | 0 | 1 | 4 | 7 | 11 | 13 | 59 |
| Malignant Neoplasms | 61 | 0 | 1 | 0 | 0 | 1 | 8 | 8 | 12 | 31 |
| Diabetes | 31 | 0 | 0 | 0 | 0 | 1 | 0 | 5 | 7 | 18 |
| Alcoholism | 36 | 0 | 0 | 0 | 0 | 6 | 12 | 11 | 4 | 3 |
| Pneumonia/Influenza | 26 | 7 | 0 | 0 | 1 | 3 | 1 | 4 | 1 | 9 |
| Homicide/Legal-intervention | 27 | 0 | 1 | 2 | 9 | 7 | 4 | 3 | 0 | 1 |
| Suicide | 18 | 0 | 0 | 1 | 8 | 6 | 2 | 0 | 0 | 1 |
| Cerebrovascular Disease | 17 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 11 |
| Infectious & Parasitic Diseases | 20 | 0 | 2 | 1 | 0 | 4 | 2 | 6 | 2 | 3 |
| HIV Infection | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Other Infectious Disease | 18 | 0 | 2 | 1 | 0 | 3 | 1 | 6 | 2 | 3 |
| Ill Defined Conditions | 9 | 5 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| Congenital Anomalies | 6 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Chronic Obstructive Pulmonary Disease | 12 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 9 |
| Diseases of Arteries | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Perinatal Conditions | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Atherosclerosis | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| All Other Causes | 82 | 1 | 1 | 1 | 1 | 3 | 12 | 19 | 12 | 32 |



TECHNICAL NOTES

Sources of Data

The charts in Sections I and II are based on rates and ratios published in the ***Arizona Health Status and Vital Statistics*** annual report.

Information on live births and deaths in Sections III and IV is compiled from the original documents filed with the Arizona Department of Health Services', Office of Vital Records and from transcripts of original certificates filed in other states but affecting Arizona residents. (Copies of certificates for births and deaths occurring to Arizona residents outside the United States are not sent to Arizona).

Population denominators for American Indians by place of residence in Arizona were not available for 1998.

Definitions

Rates

Rate is a measure of the frequency of some event in relation to a unit of population during a specified time period such as a year; events in the numerator of the year occur to individuals in the denominator. Rates express the likelihood (or risk) of the event in the specified population during a particular time and are generally expressed as units of population in the denominator (per 1,000, per 100,000 and so forth).

Terms Related to Reproductive Health*

Birth or Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached.

*See "Standard Terminology for Reporting Reproductive Health in the United States". Public Health Reports, Vol.103, No.5. September-October 1988.

Birth weight - The weight of a neonate determined immediately after delivery or as soon thereafter as possible.

Infant death - Any death at any time from birth up to, but not including, the first year of age (364 days, 23 hours, 59 minutes from the moment of birth).

Infant mortality rate - Number of infant deaths per 1,000 live births.

Low-birthweight - Prior to 1990: any neonate whose weight at birth is 2,500 grams or less. Beginning in 1990: any neonate weighing less than 2,500 grams at birth (less than 5 pounds 8 ounces).

Neonatal death - Death of a liveborn neonate before the neonate becomes 28 days old (up to and including 27 days, 23 hours, 59 minutes from the moment of birth).

Neonatal mortality rate - Number of neonatal deaths per 1,000 live births.

Postneonatal death - Any death of a liveborn infant at least 28 days of age but less than one year of age.

Postneonatal mortality rate - Number of postneonatal deaths per 1,000 live births.

Very Low-Birthweight - Any neonate whose weight at birth is 1,500 grams or less (less than 3 pounds 5 ounces).

Terms Related to Mortality

Age-adjusted mortality rates - Because mortality from most causes of death occurs predominately among the elderly, a population group with a larger proportion of older persons would have a higher mortality rate. The "age-adjustment" removes the effect of the age differences among sub-populations by placing them all in a population with a standard age distribution. All age-adjusted mortality rates in this report were computed by the direct method, that is by applying the age-specific death rates to the standard population distributed by age. The total U.S. population as enumerated in 1940 was used as the standard. The age-adjusted mortality rates in this report are based on the following nine age groups:

| Age | Population per million |
|-------------------|-------------------------------|
| All ages | 1,000,000 |
| Under 1 year | 15,343 |
| 1-4 years | 64,718 |
| 5-14 years | 170,335 |
| 15-24 years | 181,677 |
| 25-34 years | 162,066 |
| 35-44 years | 139,237 |
| 45-54 years | 117,811 |
| 55-64 years | 80,294 |
| 65 years and over | 68,499 |

Age-specific mortality - Number of deaths in a specific age group during a calendar year.

Cause of death - For the purpose of national mortality statistics, every death is attributed to one underlying condition, based on information reported on the death certificate and utilizing the international rules for selecting the underlying cause of death from the reported conditions.

Cause-specific mortality - Number of deaths from a specified cause during a calendar year.

Classification of causes of death - The cause of death used in this report is the underlying cause classified according to the *International Classification of Diseases, Injuries and Causes of Death*. Listed below are categories and International Classification of Diseases (ICD) codes for selected causes of mortality presented in this report.

Alcoholism: 291, 303, 571.0-571.3

Alzheimer's Disease: 331.0

Breast Cancer in women: 174

Cerebrovascular Disease (Stroke): 430-438

Chronic Obstructive Pulmonary Disease (COPD): 490-496

Cirrhosis: 571

Diabetes Mellitus: 250

Diseases of Heart: 390-398, 402, 404-429

Drowning: 830, 832, 910

HIV Infection: 042-044

Homicide and legal intervention: 960-978

Infectious and parasitic diseases: 001-139

Injuries Not Related to Motor Vehicles: 800-807, 826-949

Injuries, Unintentional: 800-949

Lung Cancer: 162.2-162.9
Malignant Neoplasms (cancers): 140-208
Motor Vehicle-Related Injuries: 810-825
Pneumonia and Influenza: 480-487
Septicemia: 038
Suicide: 950-959

Medical Terms Used on the Birth Certificate

Medical risk factors for this pregnancy

Anemia - Hemoglobin level of less than 10.0 g/dL during pregnancy, or hematocrit of less than 30 percent during pregnancy.

Cardiac disease - Disease of the heart.

Acute or chronic lung disease - Disease of the lungs during pregnancy.

Diabetes - Metabolic disorder characterized by excessive discharge of urine and persistent thirst; includes juvenile onset, adult onset and gestational diabetes during pregnancy.

Genital herpes - Infection of the skin of the genital area by herpes simplex virus.

Hydramnios/Oligohydramnios - Any noticeable excess (hydramnios) or lack (oligohydramnios) of amniotic fluid.

Hemoglobinopathy - A blood disorder caused by alteration in the genetically determined molecular structure of hemoglobin (for example, sickle cell anemia).

Hypertension, chronic - Blood pressure persistently greater than 140/90, diagnosed prior to onset of pregnancy or before the 20th week of gestation.

Hypertension, pregnancy-associated - An increase in blood pressure of at least 30 mm hg systolic or 15 mm hg diastolic on two measurements taken 6 hours apart after the 20th week of gestation.

Eclampsia - The occurrence of convulsions and/or coma unrelated to other cerebral conditions in women with signs and symptoms of preeclampsia.

Incompetent cervix - Characterized by painless dilation of the cervix in the second trimester or early in the third trimester of pregnancy, with premature expulsion of membranes through cervix and ballooning of the membranes into vagina, followed by rupture of the membrane and subsequent expulsion of the fetus.

Previous infant 4,000+ grams - The birthweight of a previous live-born child was over 4,000 grams (8lbs.14oz.).

Previous preterm or small-for-gestational-age-infant - Previous birth of an infant prior to term (before 37 completed weeks of gestation) or of an infant weighing less than the 10th percentile for gestational age using a standard weight for age chart.

Renal disease - Kidney disease.

Rh Sensitization - The process or state of becoming sensitized to the Rh factor as when an Rh-negative woman is pregnant with an Rh-positive fetus.

Uterine bleeding - Any clinically significant bleeding during the pregnancy taking into consideration the stage of pregnancy; any second or third trimester bleeding or third trimester bleeding of the uterus prior to the onset of labor.

Complications of labor and/or delivery

Febrile - A fever greater than 100 degrees F. or 38 degrees C. occurring during labor and/or delivery.

Meconium, moderate/heavy - Meconium consists of undigested debris from swallowed amniotic fluid, various products of secretion and shedding by the gastrointestinal tract, moderate to heavy amounts of meconium in the amniotic fluid noted during labor and/or delivery.

Premature rupture of membranes (more than 12 hours) - Rupture of membranes at any time during pregnancy and more than 12 hours before the onset of labor.

Abruption placenta - Premature separation of normally implanted placenta from the uterus.

Placenta previa - Implantation of the placenta over or near the internal opening of the cervix.

Other excessive bleeding - The loss of significant amount of blood from conditions other than abruptio placenta or placenta previa.

Seizures during labor - Maternal seizures occurring during labor from any cause.

Precipitous labor (less than 3 hours) - Extremely rapid labor and delivery lasting less than 3 hours.

Prolonged labor (more than 20 hours) -

Abnormally slow progress of labor lasting more than 20 hours.

Dysfunctional labor - Failure to progress in a normal pattern of labor.

Breech/Malpresentation - At birth, the presentation of the fetal buttocks, rather than the head or other malpresentation.

Cephalopelvic disproportion - The relationship of the size, presentation and position of the fetal head to the maternal pelvis, which prevents dilation of the cervix and/or descent of the fetal head.

Cord prolapse - Premature expulsion of the umbilical cord in labor before the fetus is delivered.

Anesthetic complications - Any complication during labor and/or delivery brought on by an anesthetic agent or agents.

Fetal distress - Signs indicating fetal hypoxia (deficiency in amount of oxygen reaching fetal tissues).

Abnormal conditions of the newborn

Anemia - Hemoglobin level of less than 13.0 g/dL, or a hematocrit of less than 39 percent.

Birth injury - Impairment of the infant's body function or structure due to adverse influences that occurred at birth.

Fetal alcohol syndrome - A syndrome of altered prenatal growth and development occurring in infants born of women who consumed excessive amounts of alcohol during pregnancy.

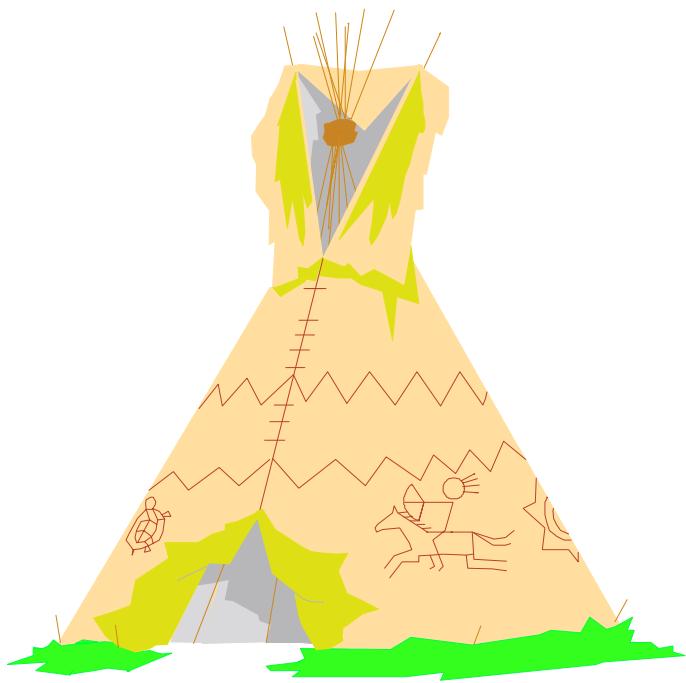
Hyaline membrane disease/RDS - A disorder primarily of prematurity, manifested clinically by respiratory distress and pathologically by pulmonary hyaline membranes and incomplete expansion of the lungs at birth.

Meconium aspiration syndrome - Aspiration of meconium by the fetus or newborn, affecting the lower respiratory system.

Assisted ventilation (less than 30 minutes) - A mechanical method of assisting respiration for newborns with respiratory failure.

Assisted ventilation (30 minutes or more) - Newborn placed on assisted ventilation for 30 minutes or longer.

Seizures - A seizure of any etiology.



COMMUNITIES ON INDIAN RESERVATIONS IN ARIZONA

COMMUNITIES ON INDIAN RESERVATIONS IN ARIZONA

| RESERVATION | COUNTY | COMMUNITY CODE* | COMMUNITY NAME |
|--------------------|---------------|------------------------|---------------------------------------|
| AK CHIN | PINAL | 11059 | AK CHIN |
| | | 11060 | AK CHIN INDIAN RESERVATION/NOS** |
| CAMP VERDE | YAVAPAI | 13079 | CAMP VERDE INDIAN RESERVATION/NOS |
| | | 13080 | MIDDLE VERDE |
| COCOPEAH | YUMA | 14024 | COCOPEAH INDIAN RESERVATION |
| COLORADO RIVER | LA PAZ | 15003 | PARKER |
| | | 15023 | COLORADO RIVER INDIAN RESERVATION/NOS |
| | | 15024 | POSTON |
| | | 15025 | PARKER VALLEY |
| | | 15026 | MOHAVE TRIBAL CEMETERY |
| FORT APACHE | APACHE | 01024 | FORT APACHE INDIAN RESERVATION/NOS |
| | | 01025 | HAWLEY LAKE |
| | | 01026 | MAVERICK |
| | | 01027 | MCNARY |
| | GILA | 04031/04036/04037 | FORT APACHE INDIAN RESERVATION/NOS |
| | | 04032 | AMOS WASH |
| | | 04033 | CANYON DAY |
| | | 04034 | CARRIZO |
| | | 04035 | CEDAR CREEK |
| | | 04038 | WARRIOR CANYON |
| | NAVAJO | 09063/09064 | FORT APACHE INDIAN RESERVATION/NOS |
| | | 09065 | CHINO SPRINGS |
| | | 09066/09079 | CIBECUE |
| | | 09067 | DEER SPRINGS |
| | | 09068 | DIAMOND CREEK |
| | | 09069 | EAST FORK |
| | | 09070 | FORT APACHE |
| | | 09071 | INDIAN PINE |
| | | 09072 | HONDAH |
| | | 09073 | MCNARY |
| | | 09074 | NORTH FORK |
| | | 09075 | SEVEN MILE |

COMMUNITIES ON INDIAN RESERVATIONS IN ARIZONA

| RESERVATION | COUNTY | COMMUNITY CODE* | COMMUNITY NAME |
|--------------------------------|-----------------|------------------------|---|
| FORT APACHE (CONTINUED) | | 09076 | WHITERIVER |
| | | 09077 | RAINBOW CITY |
| | | 09078 | CASTLE BUTTE |
| FORT McDOWELL | MARICOPA | 07107 | FORT McDOWELL |
| | | 07108 | FORT McDOWELL INDIAN RESERVATION/NOS |
| FORT MOHAVE | MOHAVE | 08048 | FORT MOHAVE |
| FORT YUMA | YUMA | 14023 | FORT YUMA |
| GILA RIVER | MARICOPA | 07021 | FIREBIRD LAKE |
| | | 07103 | GILA RIVER INDIAN RESERVATION/NOS |
| | | 07104 | GILA CROSSING |
| | | 07105 | SAINT JOHNS |
| | | 07106 | KOMATKE |
| | PINAL | 11061/11065 | GILA RIVER INDIAN RESERVATION/NOS |
| | | 11062 | BAPCHULE |
| | | 11063 | BLACKWATER |
| | | 11064 | CASA BLANCA |
| | | 11066 | LOWER SANTAN |
| | | 11067 | OLBERG |
| | | 11068 | PROGRESSIVE COLONY |
| | | 11069 | SACATON |
| | | 11070 | SANTAN |
| | | 11071 | SOUTH GOODYEAR |
| | | 11072 | STOTONIC |
| | | 11073 | UPPER SANTAN |
| | | 11074 | SNAKETOWN |
| | | 11075 | LONG BUTTE |
| | | 11076 | WETCAMP |
| | | 11077 | WEST CHANDLER |
| | | 11078 | SWEETWATER |
| | | 11079 | GILA RIVER INDIAN COMMUNITY (GRIC) |
| | | 11081 | COCLEBURR |
| | | 11083 | JACKRABBIT |

COMMUNITIES ON INDIAN RESERVATIONS IN ARIZONA

| RESERVATION | COUNTY | COMMUNITY CODE* | COMMUNITY NAME |
|--------------------|---------------|------------------------|--------------------------------------|
| HAVASUPAI | COCONINO | 03059 | SUPAI |
| | | 03060 | HAVASUPAI INDIAN RESERVATION/NOS |
| HOPI | COCONINO | 03061 | HOPI INDIAN RESERVATION/NOS |
| | | 03071 | MOENCOPI |
| | | 03083 | MOENAVE |
| | NAVAJO | 09026 | HOPI INDIAN RESERVATION/NOS |
| | | 09027/09028 | BACAVI |
| | | 09035 | HANO |
| | | 09037 | HOTEVILLA |
| | | 09040 | KEAMS CANYON |
| | | 09042 | MISHONGNOVI |
| | | 09043/09094 | KYKOTSMOVI VILLAGE |
| | | 09044 | OLD ORAIBI |
| | | 09045 | ORAIBI |
| | | 09047 | POLACCA |
| | | 09050 | SECOND MESA |
| | | 09051/09052/09056 | SHIPAULOVI |
| | | 09053/09054 | SHONGOPOVI |
| | | 09055 | SICHOMOVI |
| | | 09058 | SNOWBIRD |
| | | 09060 | WALPI |
| HUALAPAI | COCONINO | 03057 | HUALAPAI INDIAN RESERVATION/NOS |
| | | 03058 | FRAZIERS WELL |
| | MOHAVE | 08054 | PEACH SPRINGS INDIAN RESERVATION/NOS |
| | | 08055 | PEACH SPRINGS |
| | | 08059 | VALENTINE INDIAN RESERVATION/NOS |
| | | 08060 | VALENTINE |
| KAIBAB | COCONINO | 03056 | KAIBAB INDIAN RESERVATION/NOS |
| | MOHAVE | 08049 | KAIBAB INDIAN RESERVATION/NOS |
| | | 08051 | KAIBAB |
| | | 08052 | MOCCASIN |
| | | 08053 | SIX MILE |

COMMUNITIES ON INDIAN RESERVATIONS IN ARIZONA

| RESERVATION | COUNTY | COMMUNITY CODE* | COMMUNITY NAME |
|--------------------|---------------|------------------------|-----------------------|
| NAVAJO | APACHE | 01018 | NAVAJO |
| | | 01020 | PINON |
| | | 01022 | PAINTED DESERT |
| | | 01028 | FORT DEFIANCE |
| | | 01029 | CHINLE |
| | | 01030 | SAWMILL |
| | | 01031 | WINDOW ROCK |
| | | 01032/01042 | TSAILEE |
| | | 01033 | KINLICHEE |
| | | 01034 | GANADO |
| | | 01035 | NAZLINI |
| | | 01036 | STEAMBOAT |
| | | 01037 | MANY FARMS |
| | | 01038 | COTTONWOOD |
| | | 01039 | ROCK POINT |
| | | 01040 | DENNEHOTSO |
| | | 01041 | HUNTER'S POINT |
| | | 01043 | LUKACHUKAI |
| | | 01044 | ROUND ROCK |
| | | 01045 | BLUE GAP |
| | | 01046 | ROUGH ROCK |
| | | 01047 | BLUE CANYON |
| | | 01048/01062 | ST. MICHAELS |
| | | 01049 | WHEATFIELDS |
| | | 01050 | SALINA SPRINGS |
| | | 01051 | KLAGETOH |
| | | 01052 | TOYEI |
| | | 01053 | WIDE RUINS |
| | | 01054 | HOUCK |
| | | 01055 | TEEC NOS POS |
| | | 01056 | LUPTON |
| | | 01057 | RED VALLEY |

COMMUNITIES ON INDIAN RESERVATIONS IN ARIZONA

| RESERVATION | COUNTY | COMMUNITY CODE* | COMMUNITY NAME |
|---------------------------|-----------------|------------------------|--------------------------|
| NAVAJO (CONTINUED) | | 01058 | COVE |
| | | 01059 | CORNFIELDS |
| | | 01060 | CANYON DEL MUERTO |
| | | 01061 | NAVAJO STATION |
| | | 01063 | WOODSPRINGS |
| | | 01064 | SWEETWATER |
| | | 01065 | ALLENTOWN |
| | | 01066 | TEC NEZ IAH |
| | | 01067 | OAK SPRINGS |
| | | 01068 | RED MESA |
| | | 01069 | WHIPPORWILL |
| | | 01070 | GREASEWOOD |
| | | 01071 | SUNRISE |
| | | 01072 | CROSS CANYON |
| | | 01073 | PINE SPRINGS |
| | COCONINO | 03018 | GREY MOUNTAIN |
| | | 03062 | COW SPRINGS |
| | | 03063 | DINNEBITO |
| | | 03064 | ELEPHANT'S FEET |
| | | 03065 | HOWELL MESA |
| | | 03067 | RED LAKE |
| | | 03068 | TONALEA |
| | | 03069 | TUBA CITY |
| | | 03070 | BITTER SPRINGS |
| | | 03072 | KAIBETO |
| | | 03073 | LEUPP |
| | | 03074 | CEDAR RIDGE |
| | | 03075 | INSCRIPTION |
| | | 03076 | THE GAP |
| | | 03077 | CAMERON |
| | | 03078 | NAVAJO MOUNTAIN |
| | | 03079 | INSCRIPTION HOUSE |

COMMUNITIES ON INDIAN RESERVATIONS IN ARIZONA

| RESERVATION | COUNTY | COMMUNITY CODE* | COMMUNITY NAME |
|---------------------------|---------------|--------------------------------------|----------------------------|
| NAVAJO (CONTINUED) | | 03080 | LECHEE |
| | | 03081 | FOREST LAKES |
| | | 03082 | TOLANI LAKE |
| | | 03084 | WHITE MESA |
| | | 03085 | COALMINE |
| | | 03086 | SAND SPRINGS |
| | | 03087 | RARE METALS |
| | | 03088 | COPPERMINE |
| NAVAJO | | 09029 | BIG MOUNTAIN |
| | | 09036 | HARD ROCKS |
| | | 09038/09039 | JEDDITO |
| | | 09041 | LOW MOUNTAIN |
| | | 09046 | PINON |
| | | 09059 | TACHEE |
| | | 09061 | WHIPPORWILL |
| | | 09080 | TEESTO (TEESTOH) |
| | | 09081 | KAYENTA |
| | | 09082 | WHITECONE |
| | | 09083 | SHONTO |
| | | 09084 | GREASEWOOD |
| | | 09085/09090 | DILCON |
| | | 09086 | CHILCHINBETO |
| | | 09087 | BURNTCORN |
| | | 09088 | BLACK MESA |
| | | 09089 | BIRD SPRINGS |
| | | 09091 | INDIAN WELLS |
| | | 09093 | KITSEEL |
| | | 09095 | SEBA DAIKAL |
| | | 09031/09032/09034/09049/09092 | OTHER/UNKNOWN PLACE |

COMMUNITIES ON INDIAN RESERVATIONS IN ARIZONA

| RESERVATION | COUNTY | COMMUNITY CODE* | COMMUNITY NAME |
|--------------------|---------------|------------------------|---|
| PASCUA YAQUI | PIMA | 10059 | PASCUA YAQUI INDIAN RESERVATION |
| SALT RIVER | MARICOPA | 07109 | SALT RIVER INDIAN RESERVATION |
| SAN CARLOS | GILA | 04040 | SAN CARLOS INDIAN RESERVATION/NOS |
| | | 04041 | COOLIDGE DAM |
| | | 04042 | CUTTER |
| | | 04043 | PERIDOT |
| | | 04044 | SAN CARLOS |
| | GRAHAM | 05030 | SAN CARLOS INDIAN RESERVATION/NOS |
| | | 05031 | BYLAS |
| | | 05032 | CALVA |
| | | 05033 | SAN CARLOS LAKE |
| SAN XAVIER | PIMA | 10047 | SAN XAVIER INDIAN RESERVATION/NOS |
| TOHONO O'ODHAM | MARICOPA | 07099 | TOHONO O'ODHAM INDIAN RESERVATION/NOS |
| | | 07100 | KAKA |
| | | 07101/07102 | GILA BEND INDIAN COMMUNITY/SAN LUCY VILLAGE |
| | PIMA | 10048 | TOHONO O'ODHAM |
| | | 10049 | SANTA ROSA |
| | | 10050 | HICKIWAN |
| | | 10051 | PISINEMO |
| | | 10052 | IRON STAND VILLAGE |
| | | 10053 | LITTLE TUCSON |
| | | 10054 | SELLS |
| | | 10055 | TOPAWA |
| | | 10056/10060 | MENEGER'S DAM |
| | | 10057 | QUEEN'S WELL |
| | PINAL | 11055 | TOHONO O'ODHAM INDIAN RESERVATION/NOS |
| | | 11056 | CHUICHU |
| | | 11057 | KOHATK |
| | | 01105 | NORTH KOMELIK |

* THE CITY/TOWN/PLACE CODES USED BY THE OFFICE OF VITAL RECORDS OF THE ARIZONA DEPARTMENT OF HEALTH SERVICES.

** NOT OTHERWISE SPECIFIED.

